

# AXIS M5055 PTZ Network Camera

## Mini PTZ with HDTV 1080p resolution

AXIS M5055 PTZ Network Camera is an ultra-discreet, palm-sized, pan-tilt-zoom camera for remote indoor monitoring. It provides full frame rate video in HDTV 1080p resolution, and supports multiple H.264 and Motion JPEG video streams. AXIS M5055 is a ceiling-mount camera that provides flexible coverage over a 500 m<sup>2</sup> (4300 sq. ft) area with  $\pm 180^\circ$  pan, 90° tilt, and 5x optical zoom. The IP51 rating ensures protection against dust and dripping water, enabling the camera to operate even when a sprinkler system is activated.

- > **HDTV 1080p**
- > **5x optical zoom and autofocus**
- > **IP51-rated**
- > **Power over Ethernet (IEEE 802.3af)**
- > **Built-in analytics**



# AXIS M5055 PTZ Network Camera

Camera	
<b>Image sensor</b>	1/4.85" progressive scan RGB CMOS
<b>Lens</b>	Varifocal. 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus
<b>Minimum illumination</b>	Color: 1.2 lux at 30 IRE F1.4
<b>Shutter speed</b>	1/16000 s to 1 s
<b>Pan/Tilt/Zoom</b>	Pan: ±179°, 100°/s Tilt: 90°, 100°/s Zoom: 5x optical, 10x digital 25 preset positions, control queue, on-screen directional indicator
Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG
<b>Resolution</b>	1920x1080 to 320x180 (16:9)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all resolutions
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
<b>Image settings</b>	Resolution, compression, rotation: 0°, 180°, text and image overlay, color, brightness, sharpness, white balance, wide dynamic range, exposure control, exposure time, gain, exposure zones, exposure priority, image freeze on PTZ, privacy masks
Audio	
<b>Audio streaming</b>	One-way
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
<b>Audio input</b>	Built-in microphone
Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>o</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Z-Wave Plus <sup>®</sup> HC4 and HC8 <sup>b</sup>
System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://onvif.org">onvif.org</a>
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, audio volume detection, scream detection, removed object detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Applications Detectors: live stream accessed Hardware: network Input signal: manual trigger, virtual inputs PTZ: moving, preset reached, ready
	Storage: disruption, recording System: system ready Time: recurrence, use schedule
<b>Event actions</b>	Record video: SD card, network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share, email PTZ control: preset position Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text Status LED
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter
General	
<b>Casing</b>	IP51-rated plastic casing, clear dome
<b>Sustainability</b>	PVC free
<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Power</b>	Power over Ethernet 802.3af/802.3at Type 1 Class 3 Typical 4.6 W, max 7.8 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)
<b>Storage conditions</b>	-30 °C to 60 °C (-22 °F to 140 °F)
<b>Approvals</b>	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN-35 Safety IEC/EN/UL 62368-1 Environment IEC/EN 60529 IP51
<b>Dimensions</b>	Ø130 x 63 mm (Ø5.1 x 2.5 in)
<b>Weight</b>	375 g (0.8 lb)
<b>Included accessories</b>	AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	AXIS M50 Clear Dome Cover A For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).
- Device types in home control group 4: notification sensors. Device types in home control group 8: on/off power switches, power strips, irrigation controls. For more information on the supported command classes, see the product's User Manual.

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS Q8641-E PT Thermal Network Camera

## Unobstructed views and long-distance detection

AXIS Q8641-E PT Thermal Network Camera offers outstanding thermal contrast and 10° field of view, which together with analytics, enables long-range detection and immediate visual confirmation for the operator. Highly responsive and reliable positioning camera, designed for continuous and jerk-free pan and tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables 360° unobstructed field of view, covering a wide area and reducing the cost for additional cameras. AXIS Q8641-E provides 384x288 thermal resolution, Zipstream and electronic image stabilization. Features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link.

- > [Reliable thermal detection](#)
- > [Outstanding thermal contrast – 384x288 resolution](#)
- > [Responsive positioning with quick, smooth pan and tilt capabilities](#)
- > [Save bandwidth with Zipstream](#)
- > [Electronic image stabilization](#)



# AXIS Q8641-E PT Thermal Network Camera

<b>Models</b>	AXIS Q8641-E 35 mm 30 fps 24 V AXIS Q8641-E 35 mm 8.3 fps 24 V	<b>Casing</b>	IP66- and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic
<b>Camera</b>		<b>Sustainability</b>	PVC free
<b>Image sensor</b>	Uncooled Micro bolometer 384x288, pixel size: 17 µm Spectral range: 8-14 µm	<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Lens</b>	Athermalized Horizontal field of view: 10.7° view, F1.2	<b>Power</b>	24 V AC/DC Typical 16 W, max 182 W Power loss recovery <sup>d</sup> , TVS 2 kV surge protection
<b>Sensitivity</b>	NETD < 70 mK	<b>I/O connector</b>	Output power 12 V DC, max load 50 mA
<b>Pan/Tilt</b>	Pan: 360° endless, 0.05°–120°/s Tilt: –90 to +45°, 0.05°–60°/s Jerk-free movements at low speed: $\sigma < 0.01^\circ/s$ (at 0.05°/s) De-icing control <sup>a</sup> Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing <sup>b</sup>	<b>Connectors</b>	SFP slot (SFP module not included) <sup>e</sup> RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector <sup>e</sup> Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
<b>Video</b>		<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>Operating conditions</b>	–40 °C to 60 °C (–40 °F to 140 °F) Humidity 10–100% RH (condensing) <b>Wind load when PT operational</b> 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m <sup>2</sup>
<b>Resolution</b>	Sensor is 384x288. Image can be scaled up to 768x576.	<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F)
<b>Frame rate</b>	Up to 8.3 fps and 30 fps	<b>Approvals</b>	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 <b>Environment</b> IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 <b>Network</b> NIST SP500-267
<b>Video streaming</b>	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	<b>Dimensions</b>	557 x 229 x 289 mm (22 x 9 x 11 in)
<b>Image settings</b>	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes	<b>Weight</b>	12 kg (26.5 lb)
<b>Network</b>		<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license Power connector, I/O connector, Torx® bits T20 and T30
<b>Security</b>	Password protection, IP address filtering, HTTPSC encryption, network fail-over link <sup>c</sup> , IEEE 802.1x (EAP-TLS) <sup>c</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	<b>Optional accessories</b>	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24–240 V AC 22 m <sup>f</sup> , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>c</sup> , SSL/TLS <sup>c</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1	<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>System integration</b>		<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at <a href="http://onvif.org">onvif.org</a>	<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	<b>Export control</b>	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.
<b>Event actions</b>	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay text PTZ control: preset position, guard tour File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email	<b>Footnotes:</b>	
<b>Data streaming</b>	Event data	a. Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.	
<b>Built-in installation aids</b>	Pixel counter	b. Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.	
<b>Analytics</b>		c. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).	
<b>Applications</b>	<b>Included</b> AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection <b>Supported</b> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	d. IP data and home position retained, and guard tour and other events resumed.	
<b>General</b>		e. If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the failover link.	
		f. When using the 22 m (72 ft) AXIS Cable 24 V DC/24–240 V AC, a power supply capable of delivering 220 W is required to compensate for the power loss in the cable.	
		Environmental responsibility:	

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## AXIS Q6010-E Network Camera

For 360° real-time monitoring and great detail

With four 5 MP sensors, AXIS Q6010-E provides a complete 360° overview with great image usability both day and night. Designed for operation with current AXIS Q60-E PTZ Network Cameras, it enables one-click PTZ control and autopilot for automatic PTZ tracking within the viewing areas. And, each sensor has exchangeable lenses with autofocus and positioning calibration for maximum flexibility and accurate configuration. AXIS Q6010-E uses the same bracket, power supply and network cable as the connected AXIS Q60-E PTZ Network Camera for cost-efficient installation. Furthermore, Zipstream with support for H.264/H.265 significantly lowers bandwidth and storage requirements without compromising image quality.

- > **360° camera with one-click PTZ control**
- > **4 x 5 MP sensors, total 20 MP resolution**
- > **Exchangeable and tiltable lenses**
- > **Requires a current AXIS Q60-E PTZ Network Camera**
- > **Autopilot included**



# AXIS Q6010-E Network Camera

<b>Models</b>	AXIS Q6010-E 50 Hz AXIS Q6010-E 60 Hz	IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ ready Scheduled and recurring: scheduled event Video: day-night mode, live stream open, tampering
<b>Camera</b>		
<b>Supported products</b>	AXIS Q6052-E PTZ Network Camera AXIS Q6054-E PTZ Network Camera AXIS Q6054-E Mk II PTZ Network Camera AXIS Q6054-E Mk III PTZ Network Camera AXIS Q6055-E PTZ Network Camera AXIS Q6074-E PTZ Network Camera AXIS Q6075-E PTZ Network Camera AXIS Q6078-E PTZ Camera	
<b>Image sensor</b>	4 x 5 MP progressive scan RGB CMOS 1/2.5"	
<b>Lens</b>	Autofocus lenses, Fixed iris, F2.0, Focal length: 2.8 mm Horizontal field of view: 360° Vertical field of view: 84°	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.4 lux at 50 IRE, F2.0 B/W: 0.03 lux at 50 IRE, F2.0	
<b>Shutter speed</b>	1/32500 to 1/20 s	
<b>Camera angle adjustment</b>	Pan, tilt and rotate	
<b>Pan/Tilt/Zoom</b>	One-click PTZ control	
<b>System on chip (SoC)</b>		
<b>Model</b>	S5	
<b>Memory</b>	2048 MB RAM, 512 MB Flash	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), Main and High Profiles H.265 (MPEG-H Part 2/HEVC), Main Profile	
<b>Resolution</b>	4 x 2592x1944 to 320x240 Default: 2592x1944	
<b>Frame rate</b>	Up to 20 fps (50/60 Hz) in all resolutions	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and H.265 Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth ABR/MBR H.264/H.265	
<b>Image settings</b>	Resolution, compression, saturation, brightness, sharpness, contrast, white balance, exposure level, exposure mode, shutter Et gain fine tuning of behavior at normal and low light, polygon privacy masks (maximum 8 per channel), WDR, dynamic text and image overlay	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Analytics</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Autopilot, AXIS Video Motion Detection, active tampering alarm, edge storage events <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>Event conditions</b>	Analytics, edge storage events, virtual inputs through API Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,	
<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset Overlay text, day/night mode, Status LED, WDR mode MQTT publish	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Installation focus, lens selection, positioning calibration, ptz remote connection.	
<b>General</b>		
<b>Casing</b>	IP66-, NEMA 4X- and IK10-rated Polycarbonate dome Aluminum casing	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Power consumption without PTZ: PoE typical 9 W, max 22 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE RJ45 10BASE-T/100BASE-TX/1000BASE-T Q60-E port	
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	-50 °C to 50 °C (-58 °F to 122 °F) with AXIS Camera Heater Kit -40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	EMC EAC, EN 55032 Class A, EN 55035, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267	
<b>Dimensions</b>	ø 395 mm (15.6 in) Height: 201 mm (7.9 in)	
<b>Weight</b>	4.5 kg (9.1 lb) excluding an AXIS Q60-E PTZ Network Camera	
<b>Included accessories</b>	Q60-E adapter, Bayonet screws, Installation guide, Windows <sup>®</sup> decoder 1-user license	
<b>Optional accessories</b>	AXIS Lens M12 6 mm 5P (horizontal field of view: 56°, vertical field of view: 42°), AXIS Lens M12 12 mm 5P (horizontal field of view: 31°, vertical field of view: 23°), AXIS Lens M12 16 mm 5P (horizontal field of view: 20°, vertical field of view: 15°), AXIS Q6010-E Solo kit, AXIS T91 Mounting accessories, Axis Midspan 60 W 1-port, AXIS Camera Heater Power Supply For more accessories, see <a href="http://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>	

<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese	Environmental responsibility: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

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# AXIS V5925 PTZ Camera

Broadcast-quality HDTV 1080p PTZ camera

AXIS V5925 combines excellent image quality with smooth PTZ control and broadcast-quality audio for professional webcasting. It's compatible with VISCA joysticks and VISCA over IP, making it easy to integrate with your existing AV installations. Offering enhanced security features such as signed firmware and secure boot, it ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264 and H.265 significantly reduces bandwidth and storage requirements without compromising image quality.

- > **HDTV 1080p at 60 fps and 30x zoom**
- > **High-quality audio with XLR inputs**
- > **VISCA and VISCA over IP support**
- > **Camstreamer 3-month trial included**
- > **3G-SDI and HDMI outputs**



# AXIS V5925 PTZ Camera

Camera	
Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	4.4–132 mm, F1.4–4.6 Horizontal field of view: 62°–2.3° Vertical field of view: 37°–1.3° Autofocus, P-iris control
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 1.0 lux at 30 IRE F1.4 B/W: 0.03 lux at 30 IRE F1.4
Shutter speed	1/10000 s to 1 s
Pan/Tilt/Zoom	Pan: ±170°, 0.2–100°/s Tilt: –20° – 90°, 0.2–90°/s Zoom: 30x Optical, 12x Digital, Total 360x 256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed, PTZ response profiles
System on chip (SoC)	
Model	ARTPEC-7
Memory	1 GB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	1920x1080 HDTV 1080p to 160x90 HDMI/SDI Output: 1080p@50/60 fps (50/60 Hz)
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 HDMI HD-SDI: SMPTE 292 3G-SDI: SMPTE 424 ,SMPTE 425 (3G-SDI mapping supports Level A / Level B dual link mapping)
Image settings	Saturation, brightness, sharpness, white balance, day/night threshold, exposure mode, exposure zones, defogging, rotation: 0°, 180°
Audio	
Audio streaming	Two-way, stereo HD-SDI: SMPTE ST 299-1 3G-SDI: SMPTE ST 299-2
Audio encoding	SDI: AES3 24 bit, 48 kHz HDMI: LPCM Network: AAC LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz, Configurable bit rate
XLR input	2 balanced inputs (left/right) Microphone phantom power 48 V Balanced external microphone Balanced line level Line input impedance: >10 kOhm Maximum input level: 4.4 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% Signal-to-Noise ratio: > 85 dB @ 0 dB gain, > 78 dB @ 30 dB gain
3.5 mm input	Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone Unbalanced line Line input impedance: >10 kOhm Maximum input level: 2.2 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain
3.5 mm output	3.5 mm unbalanced stereo output

	Output impedance: < 100 Ohm, short circuit proof Maximum output level: > 0.707 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% @ 10 kOhm load Signal-to-Noise ratio: > 87 dB
SDI output	Bandwidth: 20 Hz – 20 kHz (±3 dB) THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB
HDMI output	Bandwidth: 20 Hz – 20 kHz (±3 dB) THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB
Network	
Security	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot
Supported protocols	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, SIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf), HDMI, 3G-SDI, VISCA
System integration	
Application Programming Interface	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, specification at <a href="http://onvif.org">onvif.org</a> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.
Event conditions	Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Call: state, state change Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, live stream open
Event actions	MQTT publish Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset Overlay text, external output activation, play audio clip, zoom preset, day/night mode, make call
Data streaming	Event data
Built-in installation aids	Pixel counter, leveling guide
Analytics	
Applications	Included AXIS Video Motion Detection, AXIS PTZ Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
General	
Casing	ASA plastic cover Color: White NCS S 1002-B
Power	11–13 V DC (12 V power supply included), typical 14 W, max 25 W
Connectors	RJ45 10BASE-T/100BASE-TX

	Terminal block for 2 configurable alarm input/output 3.5 mm stereo mic/line in, 3.5 mm stereo line out XLR-3 (left + right) mic/line in (with 48 V phantom power) HDMI Type A, BNC for SDI DC input RS232 serial connector for VISCA
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Operating conditions</b>	0 °C to 40 °C (32 °F to 104 °F) Humidity 10-85% RH (non-condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5 - 95% RH (non-condensing)
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 <b>Safety</b> IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, KC-Mark, IS 13252 <b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78

	<b>Network</b> NIST SP500-267
<b>Dimensions</b>	Height: 180 mm (7.1 in) Ø 136 mm (5.4 in)
<b>Weight</b>	1.5 kg (3.3 lb)
<b>Included accessories</b>	Power supply, wall/ceiling mount, terminal connector for I/O, installation guide, Windows® decoder user license, Camstreamer 3-month trial
<b>Optional accessories</b>	AXIS T8310 Video Surveillance Control Board AXIS VISCA Cable For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

For more information please contact:



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# AXIS Q6128-E PTZ Dome Network Camera

## High-end 4K PTZ with Axis' Sharpdome technology

The compact, outdoor-ready AXIS Q6128-E delivers top performance 4K (8 MP) video at 25/30 fps, with 12x optical zoom, and autofocus. Axis' Sharpdome technology provides full scene fidelity and perfect image quality in all directions – above as well as below the horizon. Using the latest technology, AXIS Q6128-E has good low light performance, and the quick and precise pan of more than 700°/s makes it easy to change viewing position and follow fast moving objects. Axis' Speed Dry function easily removes water drips from the dome glass, providing sharp images in rainy weather. The camera also features EIS and defogging.

- > **4K resolution**
- > **Axis Sharpdome technology**
- > **Axis Speed Dry function**
- > **Pan performance up to 700°/s**
- > **Repaintable**



# AXIS Q6128-E PTZ Dome Network Camera

<b>Models</b>	AXIS Q6128-E 50 Hz AXIS Q6128-E 60 Hz	<b>Video:</b> live stream open
<b>Camera</b>		<b>Event actions</b>
<b>Image sensor</b>	1/2.3" Progressive scan CMOS	Record video: SD card and network share Pre- and post-alarm video or image buffering for recording or upload Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Notification: email, HTTP, HTTPS, TCP, and SNMP trap PTZ: PTZ preset, guard tour Overlay text, day/night mode
<b>Lens</b>	3.9–46.8 mm, F1.8–2.0 Horizontal field of view: 70.7°–6.2° Vertical field of view: 43.5°–3.5° Autofocus, auto-iris	<b>Data streaming</b>
<b>Day and night</b>	Automatically removable infrared-cut filter	Event data
<b>Minimum illumination</b>	Color: 0.45 lux at 30 IRE, F1.8 B/W: 0.03 lux at 30 IRE, F1.8 Color: 0.6 lux at 50 IRE, F1.8 B/W: 0.05 lux at 50 IRE, F1.8	<b>Built-in installation aids</b>
<b>Shutter speed</b>	1/10000 s to 1 s	Focus assistant, pixel counter
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–700°/s Tilt: +20 to -90°, 0.05°–500°/s Zoom: 12x optical, 12x digital, total 144x zoom Nadir flip, 256 preset positions, tour recording, guard tour, control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, speed dry	<b>Analytics</b>
<b>Video</b>		<b>Applications</b>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Included AXIS Video Motion Detection Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Resolution</b>	3840x2160 UltraHD 4K to 640x360	<b>General</b>
<b>Frame rate</b>	Up to 50/60 fps (50/60Hz) @ 1080p Up to 25/30 fps (50/60Hz) @ 4K	<b>Casing</b>
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264	IK08, IK10 housing and mounting <sup>b</sup> , IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), Polycarbonate (PC) clear dome with Sharpdome technology
<b>Image settings</b>	Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, rotation, fine tuning of behavior at low light, electronic image stabilization (EIS), manual shutter time, text and image overlay, image freeze on PTZ Defogging, backlight compensation Highlight compensation 24 individual 3D privacy masks	<b>Sustainability</b>
<b>Network</b>		PVC free
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware	<b>Memory</b>
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTPIC, LLDP, MQTT, Syslog	1 GB RAM, 256 MB Flash
<b>System integration</b>		<b>Power</b>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specifications at <a href="http://onvif.org">onvif.org</a>	Axis High PoE midspan 1-port: 100–240 V AC, max 74 W Camera consumption: typical 14 W, max 51 W Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Camera consumption: typical 14 W, max 25 W
<b>Event triggers</b>	Detectors: live stream accessed, motion detection, shock detection Hardware: network, temperature Input Signal: manual trigger, virtual inputs PTZ: autotracking, error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	<b>Connectors</b>
<b>Event conditions</b>	Analytics, external input, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66)
		<b>Storage</b>
		Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
		<b>Operating conditions</b>
		With 30 W midspan: -20 °C to 50 °C (-4 °F to 122 °F) With 60 W midspan: -50 °C to 50 °C (-58 °F to 122 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)
		<b>Storage conditions</b>
		-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5–95% RH (non-condensing)
		<b>Approvals</b>
		EMC EN 55022 Class A, EN 55024, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR22 Class A KCC KN22 Class A, KN24 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 Environment IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, ISO4892-2 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR Network NIST SP500-267
		<b>Dimensions</b>
		With mounting hook: 274 x 165 x 165 mm (10 13/16 x 6 1/2 x 6 1/2 in) Without mounting hook: 256 x 165 x 165 mm (10 1/16 x 6 1/2 x 6 1/2 in)
		<b>Weight</b>
		3.0 kg (6.5 lb)
		<b>Included accessories</b>
		IP66-rated RJ45 connector kit, High PoE Midspan 1-port, installation guide, Windows decoder 1-user license
		<b>Optional accessories</b>
		AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see <a href="http://axis.com">axis.com</a>
		<b>Video management software</b>
		AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>

**Languages** English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
- b. *Mounting not included*

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# AXIS P5655-E PTZ Network Camera

HDTV 1080p PTZ with 32x zoom and focus recall

AXIS P5655-E PTZ Network Camera is a cost-effective, high performance PTZ with HDTV 1080p and 32x optical zoom. It features Forensic WDR for clarity even when there's both dark and light areas in the scene. And, Lightfinder 2.0 to capture low-light images with more saturated colors and sharper images of moving objects. It offers electronic image stabilization and enhanced security features including signed firmware and secure boot. With IP66, NEMA 4X and IK10 ratings it's resistant to both harsh weather conditions and impacts. Plus, you get two-way audio, I/O ports and extended capabilities for advanced analytics.

- > [HDTV 1080p with 32x optical zoom](#)
- > [Forensic WDR and Lightfinder 2.0](#)
- > [Signed firmware and secure boot](#)
- > [Focus recall and EIS](#)
- > [Zipstream with support for H.264 and H.265](#)



# AXIS P5655-E PTZ Network Camera

<b>Camera</b>		<b>Event conditions</b>	Audio: Audio detection Device status: Above operating temperature, Above or below operating temperature, Below operating temperature, Fan failure, IP address removed, Network lost, New IP address, Shock detected, Storage failure, System ready, Within operating temperature, Edge storage, Recording ongoing, Storage disruption I/O: Digital input, Manual trigger, Virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement: Camera 1, PTZ preset position reached: Camera 1, PTZ ready Scheduled and recurring: Scheduled event Video: Day-night mode, Live stream open
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	<b>Event actions</b>	Play audio clips, day-night mode, go to preset position, guard tour, I/O, upload of images or video clips via FTP, SFTP, HTTP, HTTPS, network share and email, notification to email, HTTP, HTTPS, TCP and SNMP trap, overlay text, prioritized text, record video to SD card and network share, WDR mode MQTT publish
<b>Lens</b>	Varifocal, 4.3–137.6 mm, F1.4 – 4.0 Horizontal field of view: 58.3° – 2.4° Vertical field of view: 35.5° – 1.4° Including EIS, barrel and pincushion distortion correction Autofocus and auto-iris	<b>Data streaming</b>	Event data
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Built-in installation aids</b>	Pixel counter
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE F1.4 B/W: 0.01 lux at 30 IRE F1.4	<b>Analytics</b>	
<b>Shutter speed</b>	1/66500 s to 2 s	<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.1° – 350°/s Tilt: 180°, 0.1° – 350°/s Zoom: 32x optical, 12x digital, Total 384x zoom 256 preset positions, nadir flip, limited guard tour, control queue, on-screen directional indicator, set new pan 0°, focus window, focus recall	<b>Applications</b>	<b>Included</b> AXIS Object Analytics AXIS Video Motion Detection, audio detection, advanced gatekeeper, autotracker 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>System on chip (SoC)</b>		<b>General</b>	
<b>Model</b>	ARTPEC-7	<b>Casing</b>	IP66-, NEMA 4X- and IK10-rated Aluminum casing, polycarbonate (PC) dome Color: white NCS S 1002-B, repaintable skin cover For repainting instructions of casing and impact on warranty, contact your Axis partner.
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Sustainability</b>	PVC free
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	<b>Power</b>	Axis PoE+ midspan 1–port: 100–240 V AC, max 37 W IEEE 802.3at, Type 2 Class 4 Camera consumption: typical 10.5 W, max 19 W <b>Multiconnector:</b> 20–28 V DC, typical 10 W, max 18 W 20–24 V AC, typical 15.5 V A, max 26 V A (PoE+ midspan or power supply not included)
<b>Video</b>		<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE RJ45 push-pull connector (IP66) included I/O connector for DC or AC input, 4 configurable alarm Inputs/outputs: mic in/line in, line out (Axis 10-pin push-pull system connector or Axis multicable C I/O audio power 1 m/5 m, (not included))
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Resolution</b>	1920x1080 HDTV 1080p to 320x180	<b>Operating conditions</b>	–30 °C to 50 °C (–22 °F to 122 °F) Maximum intermittent temperature 55 °C Humidity 10–100% RH (condensing)
<b>Frame rate</b>	Up to 60/50 fps (60/50 Hz) in all resolutions	<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Controllable frame rate and bandwidth Axis Zipstream technology in H.264 and H.265 VBR/ABR/MBR H.264/H.265	<b>Approvals</b>	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252
<b>Image settings</b>	Compression, saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, defogging, day/night shift level, tone mapping, fine tuning of low-light behavior, rotation: 0°, 180°, text and image overlay, image freeze on PTZ, electronic image stabilization, scene profiles, 20 individual polygon privacy masks	<b>System integration</b>	
<b>Audio</b>		<b>Application Programming Interface</b>	
<b>Audio streaming</b>	Two-way, full duplex	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Audio encoding</b>	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate		
<b>Audio input/output</b>	External microphone input or line input, line output (Requires Axis 10-pin Push-pull System Connector or Axis Multicable C I/O Audio Power 1 m/5 m, not included), automatic gain control		
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot		
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDAP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		



	<b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, EC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262, IK10, NEMA 250 Type 4X <b>Network</b> NIST SP500-267, IPv6 USGv6
<b>Dimensions</b>	Height: 217 mm (8.54 in) ø 188 mm (7.4 in)
<b>Weight</b>	2.5 kg (5.5 lb)
<b>Included accessories</b>	RJ45 Push-pull Connector (IP66), hard ceiling mount, spring pipe adaptor, U-profile pipe adaptor, installation guide, Windows® decoder 1-user license
<b>Optional accessories</b>	AXIS T91B mounts, AXIS T94A02L recessed mount, outdoor RJ45 cable with premounted connector, AXIS T8133 Midspan 30 W 1-port, repaintable skin covers, smoked dome, Axis 10-pin push-pull system connector, Axis multicable C I/O audio power 1 m/5 m

For more accessories, see [axis.com](http://axis.com)

<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

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# AXIS Q6100-E Network Camera

For 360° real-time monitoring and great detail

With four 5 MP sensors, AXIS Q6100-E provides a complete 360° overview with great image usability day and night. Designed for use with any AXIS Q61 Series or AXIS Q63 Series camera, it enables one-click PTZ control and autopilot for automatic PTZ tracking within the viewing areas. Directional audio detection triggered by audio incidents redirects the PTZ camera to the audio source. Each sensor has exchangeable lenses with autofocus for maximum flexibility and accurate configuration. AXIS Camera Heater Power Supply is required when AXIS Q6315-LE is used.

- > **360° camera with one-click PTZ control**
- > **4 x 5 MP sensors, total 20 MP resolution**
- > **Exchangeable and tiltable lenses**
- > **Requires an AXIS Q61 Series or AXIS Q63 Series camera**
- > **Directional audio detection included**



# AXIS Q6100-E Network Camera

<b>Models</b>	AXIS Q6100-E 50 Hz AXIS Q6100-E 60 Hz		Video: day-night mode, live stream open, tampering
<b>Camera</b>		<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset Overlay text, day/night mode, Status LED, WDR mode MQTT publish
<b>Supported products</b>	AXIS Q61-E PTZ Network Cameras AXIS Q63-E PTZ Network Cameras	<b>Data streaming</b>	Event data
<b>Image sensor</b>	4 x 5 MP progressive scan RGB CMOS 1/2.5"	<b>Built-in installation aids</b>	Installation focus, lens selection, positioning calibration, PTZ remote connection
<b>Lens</b>	Autofocus lenses, Fixed iris, F2.0, Focal length: 2.8 mm Horizontal field of view: 360° Vertical field of view: 84°	<b>General</b>	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Casing</b>	IP66-, NEMA 4X- and IK10-rated Polycarbonate hardcoated dome Aluminum casing
<b>Minimum illumination</b>	Color: 0.4 lux at 50 IRE, F2.0 B/W: 0.03 lux at 50 IRE, F2.0	<b>Sustainability</b>	PVC free
<b>Shutter speed</b>	1/32500 to 1/20 s	<b>Power</b>	Power consumption without PTZ: PoE typical 9 W, max 23 W
<b>Camera angle adjustment</b>	Pan, tilt and rotate	<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE RJ45 10BASE-T/100BASE-TX/1000BASE-T Q61-E port
<b>Pan/Tilt/Zoom</b>	One-click PTZ control	<b>Storage</b>	Support for SD/SDHC/SDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>System on chip (SoC)</b>		<b>Operating conditions</b>	-50 °C to 50 °C (-58 °F to 122 °F) with AXIS Camera Heater Power Supply -40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing)
<b>Model</b>	S5	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Memory</b>	2048 MB RAM, 512 MB Flash	<b>Approvals</b>	EMC EAC, EN 55032 Class A, EN 55035, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KN35
<b>Video</b>		<b>Safety</b>	IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), Main and High Profiles H.265 (MPEG-H Part 2/HEVC), Main Profile	<b>Environment</b>	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)
<b>Resolution</b>	4 x 2592x1944 to 320x240 Default: 2592x1944	<b>Network</b>	NIST SP500-267
<b>Frame rate</b>	Up to 20 fps (50/60 Hz) in all resolutions	<b>Dimensions</b>	ø 361 mm (14.2 in) Height: 192 mm (7.6 in)
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and H.265 Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	<b>Weight</b>	4.0 kg (8.8 lb) excluding an AXIS Q61-E PTZ Network Camera or AXIS Q63-E PTZ Network Camera
<b>Image settings</b>	Resolution, compression, saturation, brightness, sharpness, contrast, white balance, exposure level, exposure mode, shutter Et gain fine tuning of behavior at normal and low light, polygon privacy masks (maximum 8 per channel), WDR, dynamic text and image overlay	<b>Included accessories</b>	AXIS Q61-E and AXIS Q63-E adapter, bayonet screws, installation guide, Windows® decoder 1-user license
<b>Network</b>		<b>Required accessories</b>	AXIS Camera Heater Power Supply is required when AXIS Q6315-LE is used.
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection	<b>Optional accessories</b>	Axis Lens M12 6 mm 5P, Axis Lens M12 12 mm 5P, Axis Lens M12 16 mm 5P, Axis Lens M12 25 mm 5P, AXIS T91 Mounting accessories, Axis Midspan 60 W 1-port, AXIS Camera Heater Power Supply For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>System integration</b>		<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Analytics</b>	<b>Included</b> Directional audio detection, autopilot, AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard, AXIS Video Motion Detection, active tampering alarm, edge storage events Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	<b>Event conditions</b> Analytics, edge storage events, virtual inputs through API Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ ready Scheduled and recurring: scheduled event	

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

[axis.com/environmental-responsibility](https://www.axis.com/environmental-responsibility)

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# AXIS Q8752-E Bispectral PTZ Camera

## Thermal detection and visual verification

AXIS Q8752-E offers reliable thermal detection and visual verification in one bispectral camera. It features 360° infinite pan for fast repositioning and continuous tracking of objects. Featuring Electronic Image Stabilization (EIS) on both channels it ensures smooth video. Forensic WDR and Lightfinder 2.0 guarantees images with saturated colors and sharp details of moving objects even in challenging light or near darkness. This robust camera is packed with advanced security functionality. Built on a powerful analytics platform, it's easy to add custom-made 3rd party analytics. Furthermore, it's possible to connect AXIS Q8752-E using fiber optic cabling to overcome distance and bandwidth limitations.

- > [Thermal and visual camera in one](#)
- > [360° infinite pan](#)
- > [Dual Electronic Image Stabilization](#)
- > [Signed firmware, secure boot, and TPM 2.0](#)
- > [Thermal palettes](#)



# AXIS Q8752-E Bispectral PTZ Camera

<b>Models</b>	AXIS Q8752-E 35 mm 8.3/30 fps AXIS Q8752-E Zoom 8.3/30 fps	Configurable bit rate
<b>Camera</b>		<b>Audio input/output</b> External microphone input or line input
<b>Image sensor</b>	<b>Visual:</b> 1/2.8" progressive scan CMOS <b>Thermal:</b> Uncooled microbolometer 640x480 pixels, pixel size: 17 µm. Spectral range: 8–14 µm	<b>Network</b>
<b>Lens</b>	<b>Visual:</b> Varifocal, 4.3–137.6 mm, F1.4–4.0 Horizontal field of view: 58.5°–2.4° Vertical field of view: 35°–1.3° Autofocus, auto-iris <b>Thermal:</b> 35 mm: Athermalized 35 mm, F1.2 Near focus distance: 33 m (108 ft) Horizontal field of view: 17° Vertical field of view: 12.8° <b>Zoom:</b> Athermalized 35–105 mm, F1.6 Near focus distance: 22–195 m (72–640 ft) Near manual focus distance: 7 m (23 ft) Horizontal field of view: 18°–6° Vertical field of view: 13.5°–4.5°	<b>Security</b> Password protection, IP address filtering, HTTPS <sup>c</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>c</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module, Axis Edge Vault with Axis device ID
<b>Day and night</b>	<b>Visual:</b> Automatically removable infrared-cut filter	<b>Supported protocols</b> IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>c</sup> , HTTP/2, TLS <sup>c</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
<b>Minimum illumination</b>	<b>Visual:</b> Color: 0.09 lux at 30 IRE, F1.4 B/W: 0.008 lux at 30 IRE, F1.4 Color: 0.06 lux at 50 IRE, F1.4 B/W: 0.01 lux at 50 IRE, F1.4	<b>System integration</b>
<b>Sensitivity</b>	<b>Thermal:</b> NETD < 50 mK	<b>Application Programming Interface</b> Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>
<b>Shutter speed</b>	<b>Visual:</b> 1/66500 s to 2 s	<b>Event conditions</b> Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, shock detected, ring power overcurrent protection, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open, tampering
<b>Pan/Tilt/Zoom</b>	<b>Pan:</b> 360° endless, 0.05°–120°/s <b>Tilt:</b> -90° to +45°, 0.05°–65°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, focus window, on-screen directional indicator, de-icing control <sup>a</sup> , dynamic load balancing <sup>b</sup> <b>Visual:</b> 32x optical zoom, 12x digital zoom, total 384x zoom, focus recall <b>Thermal:</b> Zoom: 3x thermal zoom and 4x digital zoom, total 12x zoom	<b>Event actions</b> Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, wiper sequence, washer sequence, zoom preset, day/night mode MQTT publish
<b>System on chip (SoC)</b>		<b>Data streaming</b> Event data
<b>Model</b>	ARTPEC-7	<b>Built-in installation aids</b> Pixel counter, focus assistant
<b>Video</b>		<b>Analytics</b>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Applications</b> Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, Orientation AID PTZ, audio detection, advanced gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Resolution</b>	<b>Visual:</b> 1920x1080 HDTV 1080p to 320x180 <b>Thermal:</b> Sensor is 640x480. Image can be scaled up to 800x600 (SVGA)	<b>General</b>
<b>Frame rate</b>	<b>Visual:</b> Up to 50/60 fps (50/60 Hz) in HDTV 1080p <b>Thermal:</b> Up to 8.3 fps and 30 fps	<b>Casing</b> IP66-, NEMA 4X- and IK10-rated <sup>9</sup> powder coated aluminum Color: white NCS S 1002-B Front window: <b>visual:</b> glass, <b>thermal:</b> germanium Long-life silicone wiper Weathershield: high-impact UV-stabilized thermoplastic
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	<b>Sustainability</b> PVC free
<b>Image settings</b>	<b>Visual:</b> Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure control, exposure zones, defogging, compression, dynamic text and image overlay, 32 individual polygon privacy masks, electronic image stabilization <b>Thermal:</b> Compression, brightness, sharpness, contrast, local contrast, exposure control, exposure zones, text and image overlay, electronic image stabilization	<b>Memory</b> 2048 MB RAM, 512 MB Flash
<b>Audio</b>		<b>Power</b> 20–28 V AC/DC, typical 16 W, max 204 W Power loss recovery <sup>d</sup> TVS 2000V, surge protection, voltage transient protection I/O connector: output power 12 V DC, max load 50 mA
<b>Audio streaming</b>	Audio in, simplex Echo cancellation and noise cancellation	<b>Connectors</b> SFP slot (SFP module not included) <sup>e</sup> Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T I/O: 6-pin 2.5 mm terminal block for 4 configurable inputs/outputs Power: terminal block
<b>Audio encoding</b>	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz	

	Audio (in camera unit): 3.5 mm mic/line in Illumination (in upper part of positioning unit)
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Operating conditions</b>	-40 °C to 55 °C (-40 °F to 131 °F) Maximum temperature (intermittent): 65 °C (149 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10-100% RH (condensing) <b>Wind load when PTZ operational</b> 37 m/s (83 mph) <sup>1</sup> , 45 m/s (100 mph) without weathershield With AXIS PT IR Illuminator Kit C: 40 m/s (90 mph), 52 m/s (116 mph) without weathershield Maximum effective projected area (EPA): 0.138 m <sup>2</sup>
<b>Storage conditions</b>	-40 °C to 70 °C (-40 °F to 158 °F)
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-3(A)/NMB-3(A), CISPR 35, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4, EN 50498, KC KN32 Class A, KC KN35 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, CAN/CSA C22.2 No. 62368-1, CAN/CSA-C22.2 No. 60950-22 <b>Environment</b> IEC/EN 60529 IP66, IEC 62262 IK10 <sup>9</sup> , NEMA 250 Type 4x, NEMA TS 2 (2.2.7-2.2.9), ISO 21207 (Method B), IEC/EN 60068-2-1, IEC/EN 60068-2-2, IEC 60068-2-6, IEC/EN 60068-2-14, IEC 60068-2-27, IEC/EN 60068-2-78, MIL-STD-810G (Method 501.5, 502.5, 505.5, 506.5, 507.5, 509.5) <b>Network</b> NIST SP500-267
<b>Dimensions</b>	244 x 360 x 582 mm (9.5 x 14 x 23 in)
<b>Weight</b>	35 mm: 14.7 kg (32.4 lb) Zoom: 15.1 kg (33.3 lb)
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, connector kit, Torx® T20 bit, Torx® T30 bit, connector guard

<b>Optional accessories</b>	AXIS Surveillance Cards, AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Washer Kit B, AXIS Cable 24 V DC/24-240 V AC 22 m <sup>h</sup> , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T, AXIS PT IR Illuminator Kit C, AXIS T99 Illuminator Bracket Kit A, Power supply DIN PS24 480 W, AXIS T61 Audio and I/O Interface Series For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Export control</b>	The product contains U.S.-origin controlled technology/compo- nent, the US Export Administration Regulations (EAR) are always applicable to the product. You should comply at all times with all applicable national and international (re-) export control regulations.

- Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX).
- Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).
- IP data and home position retained, and guard tour and other events resumed.
- If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the fail-over link.
- The values shown are based on results from actual wind tunnel testing. For drag force calculations, use maximum effective projected area (EPA).
- Excluding front window.
- When using the 22 m (72 ft) AXIS Cable 24 V DC/24-240 V AC, a power supply capable of delivering 300 W is required to compensate for the power loss in the cable.

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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## AXIS Q8685-LE PTZ Network Camera

For unobstructed view and details day and night

AXIS Q8685-LE is a highly responsive and reliable positioning camera including long-range IR illumination (up to 500 meters/1640 feet without lens). Optical IR-cut and IR-pass filters produce superior image quality even in challenging mixed-light. Designed for continuous and jerk-free pan/tilt movements. When column-mounted, enables a 360° unobstructed view. Provides HDTV 1080p, 30x zoom, WDR - forensic capture, focus recall and Zipstream. Features both RJ45 and SFP interfaces, enabling long-distance fiber connection with a failover network link. Operating in extreme temperatures, withstanding hurricane-strength winds and including an integrated long-life wiper removing raindrops, dirt and grime, AXIS Q8685-LE is ideal for adverse environments.

- > **Responsive positioning with 360° endless pan and 135° tilt from ground to sky**
- > **Forensic details and focus recall**
- > **Long-distance network connection**
- > **Weather protection with remote maintenance (rain and dirt)**
- > **Easy to install**





# AXIS Q8685-LE PTZ Network Camera

<b>Models</b>	AXIS Q8685-LE 20-28 V AC/DC	Time: recurrence, use schedule
<b>Camera</b>		<b>Event actions</b>
<b>Image sensor</b>	1/2.8" progressive scan CMOS	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, illumination, WDR mode, wiper sequence, washer sequence
<b>Lens</b>	Varifocal, 4.3-129 mm, F1.6-4.7 Horizontal field of view: 65.6°-2.0° Vertical field of view: 39.0°-1.2° Autofocus, auto-iris	PTZ control: preset position, guard tour, autotracking File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email
<b>Day and night</b>	Automatic switching from infrared-cut filter to infrared pass filter in night mode	<b>Data streaming</b>
<b>Minimum illumination</b>	Color: 0.2 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 Color: 0.25 lux at 50 IRE F1.6 B/W: 0.02 lux at 50 IRE F1.6 B/W: 0 lux with IR illumination	<b>Built-in installation aids</b>
<b>Shutter speed</b>	1/66500 to 2 s	Pixel counter
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°/s to 120°/s Tilt (default): -90° to +45° Tilt (inverted <sup>Ⓜ</sup> ): -45° to +90° Tilt speed: 0.05°/s to 60°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) Zoom: 30x optical zoom, 12x digital zoom, total 360x zoom Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, focus window, speed zoom, focus recall, de-icing control <sup>b</sup> , dynamic load balancing <sup>c</sup>	<b>General</b>
<b>Video</b>		<b>Casing</b>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), Baseline, Main and High Profiles Motion JPEG	IP66-, and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: tempered glass with anti-reflective coating Long-life silicone wiper Sunshield: high-impact UV-stabilized thermoplastic
<b>Resolution</b>	1920x1080 (HDTV 1080p) to 320x180	<b>Sustainability</b>
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in 1080p Up to 50/60 fps (50/60 Hz) in 720p	PVC free
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264	<b>Memory</b>
<b>Image settings</b>	Compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, WDR - forensic capture (up to 120 dB), automatic backlight compensation, fine tuning of low-light behavior, manual shutter time, text and image overlay, 20 individual 3D privacy masks, image freeze on PTZ, electronic image stabilization	512 MB RAM, 256 MB Flash
<b>Network</b>		<b>Power</b>
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>d</sup> encryption, network failover mode <sup>f</sup> , IEEE 802.1X <sup>d</sup> network access control, digest authentication, user access log, centralized certificate management	20-28 V AC/DC Typical: 16 W (without illumination), 64 W (with illumination) Max: 204 W (without illumination), 300 W (with illumination) Power loss recovery <sup>e</sup> TVS 2 kV surge protection
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>d</sup> , SSL/TLS <sup>d</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTCIP, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Axis APTP A	<b>I/O connector</b>
<b>System integration</b>		Output voltage: 12 V DC Max load: 50 mA
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform, specifications at <a href="http://www.axis.com">www.axis.com</a> ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Connectors</b>
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, Shock Detection, Advanced Gatekeeper <b>Supported</b> AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	SFP slot (SFP module not included) <sup>f</sup> RJ45 10BASE-T/100BASE-TX network connector <sup>f</sup> Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection, shock detection, day/night mode Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: autotracking, moving, preset reached, ready Storage: disruption, recording System: system ready	<b>IR illumination</b>
		<b>Distance</b> Without diverging lenses 10° x 10°: 500 m (1640 ft) With diverging lenses 35° x 10°: 240 m (787 ft) <sup>g</sup> With diverging lenses 60° x 25°: 135 m (443 ft) With diverging lenses 80° x 30°: 100 m (328 ft) With diverging lenses 120° x 50°: 65 m (213 ft) <sup>h</sup> Power: 96 W Wavelength: 850 nm Illumination intensity adjustable during installation Illumination synchronized with day/night mode
		<b>Storage</b>
		Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
		<b>Operating conditions</b>
		Normal: -50 °C to 55 °C (-58 °F to 131 °F) Maximum (intermittent): 65 °C (149 °F) Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity 10-100% RH (condensing) <b>Wind load when PTZ operational</b> 52 m/s (117 mph), without sunshield 60 m/s (135 mph) <sup>i</sup> Maximum effective projected area (EPA): 0.164 m <sup>2</sup>
		<b>Storage conditions</b>
		-40 °C to 70 °C (-40 °F to 158 °F)
		<b>Approvals</b>
		<b>EMC</b> EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4, KC KN32 Class A, KC KN35 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 60598-1, IEC/EN 62471 (risk group 2), IS 13252 <b>Environment</b> IEC/EN 60529 IP66, IEC 62262 IK10 <sup>j</sup> , NEMA 250 Type 4x, ISO 4892-2, IEC 60068-2-6, IEC 60068-2-27
		<b>Dimensions</b>
		495 x 411 x 580 mm (19 x 16 x 23 in) <sup>k</sup> Maximum height with 45° tilt upwards: 680 mm (27 in) Maximum width/depth with 360° pan clearance: 633 mm (25 in)
		<b>Weight</b>
		18.4 kg (41 lb) <sup>k</sup>
		<b>Included accessories</b>
		Installation Guide Windows decoder 1-user license

	AXIS PT IR Illuminator Kit C Power connector, I/O connector Torx® bits T20 and T30
<b>Optional accessories</b>	AXIS T94J01A Wall Mount AXIS T94N01G Pole Mount AXIS T95A64 Corner Bracket AXIS Washer Kit B AXIS Cable 24 V DC/24–240 V AC 22 m <sup>l</sup> AXIS T8611 SFP Module LC.LX AXIS T8612 SFP Module LC.SX AXIS T8613 SFP Module 1000BASE-T Power supply DIN PS24 480 W For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *The camera housing can be mounted in an inverted configuration if tilting directly upwards is preferred.*

- b. *Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX).*  
c. *Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.*  
d. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).*  
e. *Memory of all IP data and home position retained, and guard tour and other events resumed.*  
f. *If the network link is established via both the SFP and RJ45 connectors, the former acts as the primary link and the latter as the failover link.*  
g. *35° diverging lenses installed.*  
h. *120° diverging lenses as optional accessory.*  
i. *The values shown are based on results from actual wind tunnel testing. The maximum wind load when the unit is stationary is not known due to wind speed limit of 60 m/s (135 mph) at the test lab. For drag force calculations, use maximum effective projected area (EPA).*  
j. *Excluding front window and illuminators.*  
k. *With AXIS PT IR Illuminator Kit C.*  
l. *When using the 22 m (72 ft) AXIS Cable 24 V DC/24–240 V AC, a power supply capable of delivering 400 W is required to compensate for the power loss in the cable.*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS P5654-E PTZ Network Camera

Wide angle PTZ with HDTV 720p and 21x zoom

AXIS P5654-E PTZ Network Camera is a cost-effective, high performance PTZ camera that offers wide area coverage with 77° field of view. It features Lightfinder 2.0 to capture low-light images with more saturated colors and sharper images of moving objects. And, Forensic WDR for clarity even when there's both dark and light areas in the scene. Electronic image stabilization for stable images and enhanced security features including signed firmware and secure boot. With IP66, NEMA 4X and IK10 ratings it's resistant to both harsh weather conditions and impacts. Plus, you get extended capabilities for advanced analytics.

- > [HDTV 720p with 21x optical zoom](#)
- > [Lightfinder 2.0 and Forensic WDR](#)
- > [Signed firmware and secure boot](#)
- > [Electronic image stabilization](#)
- > [Zipstream with support for H.264 and H.265](#)



# AXIS P5654-E PTZ Network Camera

<b>Models</b>	AXIS P5654-E 50 Hz AXIS P5654-E 60 Hz	Scheduled and recurring: Scheduled event Video: Day-night mode, Live stream open
<b>Camera</b>		<b>Event actions</b>
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	Day-night mode, go to preset position, guard tour, upload of images or video clips via FTP, SFTP, HTTP, HTTPS, network share and email, notification to email, HTTP, HTTPS, TCP and SNMP trap, overlay text, prioritized text, record video to SD card and network share, WDR mode
<b>Lens</b>	Varifocal, 4.0-84.6 mm, F1.6 - 4.5 Horizontal field of view: 77.0° - 3.6° Vertical field of view: 43.1° - 2.0° Autofocus and auto-iris	<b>Data streaming</b>
<b>Day and night</b>	Automatically removable infrared-cut filter	Event data
<b>Minimum illumination</b>	Color: 0.11 lux at 50 IRE F1.6 Color: 0.1 lux at 30 IRE F1.6 B/W: 0.03 lux at 50 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6	<b>Built-in installation aids</b>
<b>Shutter speed</b>	1/66500 s to 2 s	Pixel counter
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.1° - 350°/s Tilt: 180°, 0.1° - 350°/s Zoom: 21x optical, 12x digital, Total 252x zoom 256 preset positions, e-flip, limited guard tour, control queue, on-screen directional indicator, set new pan 0°, focus window, focus recall	<b>Analytics</b>
<b>System on chip (SoC)</b>		<b>AXIS Object Analytics</b>
<b>Model</b>	ARTPEC-7	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Applications</b>
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	Included AXIS Object Analytics AXIS Video Motion Detection, advanced gatekeeper, autotracker 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Video</b>		<b>General</b>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Casing</b>
<b>Resolution</b>	1280x720 HDTV 720p to 320x180	IP66-, NEMA 4X- and IK10-rated Aluminum casing, polycarbonate (PC) dome Color: white NCS S 1002-B, repaintable skin cover For repainting instructions of casing and impact on warranty, contact your Axis partner.
<b>Frame rate</b>	Up to 60/50 fps (60/50 Hz) in all resolutions	<b>Sustainability</b>
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Controllable frame rate and bandwidth Axis Zipstream technology in H.264 and H.265 VBR/ABR/MBR H.264/H.265	PVC free
<b>Image settings</b>	Compression, saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, defogging, day/night shift level, tone mapping, fine tuning of low-light behavior, rotation: 0°, 180°, text and image overlay, image freeze on PTZ, electronic image stabilization, scene profiles, 20 individual polygon privacy masks	<b>Power</b>
<b>Network</b>		Axis PoE+ midspan 1-port: 100-240 V AC, max 37 W IEEE 802.3at, Type 2 Class 4 Camera consumption: typical 8 W, max 16 W (PoE+ midspan not included)
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot	<b>Connectors</b>
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTPIC, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	RJ45 10BASE-T/100BASE-TX PoE RJ45 push-pull connector (IP66) included
<b>System integration</b>		<b>Storage</b>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Event conditions</b>	Device status: Above operating temperature, Above or below operating temperature, Below operating temperature, Fan failure, IP address removed, Network lost, New IP address, Shock detected, Storage failure, System ready, Within operating temperature, Edge storage, Recording ongoing, Storage disruption I/O: Manual trigger, Virtual input PTZ: PTZ malfunctioning, PTZ movement: Camera 1, PTZ preset position reached: Camera 1, PTZ ready	<b>Operating conditions</b>
		-30 °C to 50 °C (-22 °F to 122 °F) Maximum intermittent temperature 55 °C Humidity 10-100% RH (condensing)
		<b>Storage conditions</b>
		-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
		<b>Approvals</b>
		EMC EN 50121-4, EN 55024, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, EC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X Network NIST SP500-267, IPv6 USGv6
		<b>Dimensions</b>
		Height: 217 mm (8.54 in) ø 188 mm (7.4 in)
		<b>Weight</b>
		2.5 kg (5.5 lb)
		<b>Included accessories</b>
		RJ45 Push-pull Connector (IP66), hard ceiling mount, spring pipe adaptor, U-profile pipe adaptor, installation guide, Windows <sup>®</sup> decoder 1-user license, smoked dome
		<b>Optional accessories</b>
		AXIS T91B mounts, AXIS T94A02L recessed mount, outdoor RJ45 cable with premounted connector, AXIS T8133 Midspan 30 W 1-port, repaintable skin covers For more accessories, see <a href="http://axis.com">axis.com</a>

<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>	a. <i>This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).</i>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	Environmental responsibility: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	

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# AXIS Q6078-E PTZ Camera

## Outdoor-ready PTZ with UHD 4K

AXIS Q6078-E PTZ Camera offers UHD 4K with 20x optical zoom for outstanding video quality. It offers great overviews and detail with the clearest, sharpest colors. This high-performance outdoor PTZ camera comes with autotracking 2 with click and track functionality, as well as an orientation aid for active object tracking and quick orientation. Featuring built-in cybersecurity such as signed firmware and secure boot it ensures the integrity and authenticity of the firmware. Axis Zipstream with H.264/ H.265 significantly reduces bandwidth and storage requirements. Furthermore, AXIS Object Analytics offers highly granular and nuanced object classification.

- > [UHD 4K with 20x optical zoom](#)
- > [Outstanding images with great details](#)
- > [Zipstream with support for H.264/H.265](#)
- > [AXIS Object Analytics](#)
- > [Built-in cybersecurity features](#)



# AXIS Q6078-E PTZ Camera

<b>Camera</b>		
<b>Models</b>	AXIS Q6078-E 50 Hz AXIS Q6078-E 60 Hz	PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open
<b>Image sensor</b>	1/2.5" progressive scan RGB CMOS	
<b>Lens</b>	4.4–88.4 mm, F2.0–3.8 Horizontal field of view: 68.3°–4.2° Vertical field of view: 42.1°–2.34° Autofocus, P-iris control	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.2 lux at 30 IRE, F2.0 B/W: 0.002 lux at 30 IRE, F2.0	
<b>Shutter speed</b>	1/10000 s to 1 s	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 220°, 0.05°–450°/s Zoom: 20x optical, 12x digital, total 240x zoom E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall	<b>Event actions</b> Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email MQTT publish Notification via email, HTTP, HTTPS and TCP
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	2 GB RAM, 512 MB Flash	
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	3840x2160 4K 2160p to 320x180	
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in 4K Up to 50/60 fps (50/60 Hz) in all other resolutions	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	
<b>Image settings</b>	Manual shutter time, compression, color, brightness, sharpness, WDR – dynamic contrast, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, defog, backlight compensation, scene profiles	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module, Axis Edge Vault with Axis device ID	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>b</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>	
<b>Event conditions</b>	Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter, leveling guide	
<b>Analytics</b>		
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
<b>Applications</b>	Included AXIS Object Analytics AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, autotracking 2, active gatekeeper , AXIS OSDI Zones, Orientation Aid PTZ Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IP66-, IP67-, NEMA 4X- and IK10-rated Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (ASA)	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 16 W, max 51 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included	
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>	
<b>Operating conditions</b>	With 30 W: -20 °C to 50 °C (-4 °F to 122 °F) With 60 W: -50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 EN 50121-4, IEC 62236-4 <b>Safety</b> IEC/EN/UL 60950-1 IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 <b>Environment</b> IEC/EN 60529 IP66/IP67, NEMA TS 2 (2.2.7-2.2.9), IEC 62262 IK10, ISO 4892-2, EN 50121-4, IEC 62236-4, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, NEMA 250 Type 4X <b>Network</b> NIST SP500-267 <b>Midspan:</b> EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR	
<b>Weight</b>	3.75 kg (8.3 lb)	

<b>Dimensions</b>	Ø232 x 271 mm (Ø9 1/8 x 10.7 in)
<b>Included accessories</b>	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	Smoked dome cover AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>

**Languages** English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS P5415-E PTZ Dome Network Camera

## Intelligent direct drive HDTV 1080p PTZ dome

AXIS P5415-E is an HDTV 1080p PTZ dome with 18x optical zoom. Designed to blend in with a building, AXIS P5415-E mounts directly on the wall with a built-in bracket for ease of installation. When mounted on the corner of a building, it enables 270° pan for wide area coverage. AXIS P5415-E features a direct drive pan/tilt system with no belts or gears, enabling reliable, low-maintenance mechanics. The sunshield can be easily removed and repainted to match the wall color. A hidden junction box supports two-way audio, a memory card slot, four configurable input/output ports, 24 V DC and Power over Ethernet.

- > **Outdoor wall-mount design for easy installation**
- > **Repaintable, integrated sunshield**
- > **Durable, low maintenance mechanics**
- > **HDTV 1080p and 18x optical zoom**
- > **Two-way audio & input/output ports**



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# AXIS P5415-E PTZ Dome Network Camera

<b>Models</b>	AXIS P5415-E 50 Hz AXIS P5415-E 60 Hz	PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP	
<b>Camera</b>			
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	<b>Data streaming</b> Event data	
<b>Lens</b>	4.7–84.6 mm, F1.6–2.8 Horizontal field of view: 59°–4° Vertical field of view: 35°–2° Autofocus	<b>Built-in installation aids</b> Pixel counter	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>General</b>	
<b>Minimum illumination</b>	Color: 0.5 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6	<b>Casing</b> IP66- and NEMA 4X-rated, IK07 impact-resistance Metal casing (aluminum), clear dome (PC), sunshield (ASA)	
<b>Shutter speed</b>	1/28000 s to 2 s	<b>Sustainability</b> PVC free	
<b>Pan/Tilt/Zoom</b>	Pan: ± 135° <sup>a</sup> 0.2°–400°/s Tilt: 0°–90° 0.2°–400°/s Zoom: 18x optical, 12x digital zoom, Total 216x zoom Nadir flip, 100 preset positions, limited guard tour, control queue, focus window, on-screen directional indicator	<b>Memory</b> 256 MB RAM, 128 MB Flash	
<b>Video</b>			
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	<b>Power</b> Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Multi-connector cable: 24 V DC, max 16 W PoE+ midspan and power supply not included.	
<b>Resolution</b>	1920x1080 to 160x90	<b>Connectors</b> RJ45 for 10BASE-T/100BASE-TX PoE Terminal blocks for DC input, 4 configurable alarm inputs/outputs, mic in/line in, line out	
<b>Frame rate</b>	Up to 30/25 fps (60/50 Hz) in all resolutions	<b>Storage</b> Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264	<b>Operating conditions</b> -20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–100% RH (condensing)	
<b>Image settings</b>	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, WDR, backlight compensation, fine tuning of behavior at low light, text and image overlay, 20 individual 3D privacy masks	<b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–80% RH (non-condensing)	
<b>Audio</b>			
<b>Audio streaming</b>	Two-way	<b>Approvals</b> EMC EN 50121-4, IEC 62236-4: 2008, EN 50581, EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 Class IK07, ISO 4892-2 Network NIST SP500-267	
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	<b>Dimensions</b> 279 x 193 x 239 mm (11 x 7 5/8 x 9 7/16 in)	
<b>Audio input/output</b>	External microphone or line input, and line output	<b>Weight</b> 3.5 kg (7.7 lb.)	
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, Digest authentication, User access log, Centralized Certificate Management	<b>Included accessories</b> Installation Guide, AVHS Authentication key, Windows decoder 1-user license AXIS ACI Conduit Adapter 3/4" U-Shape 30 mm Weather Cover	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTPCIP	<b>Optional accessories</b> AXIS P54 Smoked Dome AXIS T8133 Midspan 30 W 1-port AXIS T8415 Wireless Installation Tool AXIS T94P01B Corner Bracket AXIS T98A19-VE Surveillance Cabinet For more accessories, see <a href="http://www.axis.com">www.axis.com</a>	
<b>System integration</b>			
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>	
<b>Analytics</b>	AXIS Video Motion Detection 4, audio detection, advanced gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection Hardware: network, temperature, fan Input Signal: manual trigger, virtual inputs PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	
<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, play audio clip		

- a. *With corner-mount installations, there is slight visual obstruction from the housing in the upper left/right corner of the image at pan end points.*  
b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).*

Environmental responsibility:  
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## AXIS Q8685-E PTZ Network Camera

For unobstructed view and details

AXIS Q8685-E is a highly responsive and reliable positioning camera, designed for continuous and jerk-free pan/tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables a 360° unobstructed field of view. AXIS Q8685-E provides HDTV 1080p video quality, 30x zoom, WDR - forensic capture, focus recall and Zipstream. It features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link. Capable of operating in extreme temperatures, withstanding hurricane-strength winds and including an integrated long-life wiper removing raindrops, dirt and grime, AXIS Q8685-E is ideal for a wide range of adverse environmental conditions.

- > **Responsive positioning with 360° endless pan and 135° tilt from ground to sky**
- > **Forensic details and focus recall**
- > **Long-distance network connection**
- > **Weather protection with remote maintenance (rain and dirt)**
- > **Easy to install**



# AXIS Q8685-E PTZ Network Camera

<b>Models</b>	AXIS Q8685-E 20-28 V AC/DC	Time: recurrence, use schedule
<b>Camera</b>		<b>Event actions</b>
<b>Image sensor</b>	1/2.8" progressive scan CMOS	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, illumination, WDR mode, wiper sequence, washer sequence
<b>Lens</b>	Varifocal, 4.3–129 mm, F1.6–4.7 Horizontal field of view: 65.6°–2.0° Vertical field of view: 39.0°–1.2° Autofocus, auto-iris	PTZ control: preset position, guard tour, autotracking File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email
<b>Day and night</b>	Automatically removable infrared-cut filter in night mode	<b>Data streaming</b>
<b>Minimum illumination</b>	Color: 0.2 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 Color: 0.25 lux at 50 IRE F1.6 B/W: 0.02 lux at 50 IRE F1.6	<b>Built-in installation aids</b>
<b>Shutter speed</b>	1/66500 to 2 s	Pixel counter
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°/s to 120°/s Tilt (default): -90° to +45° Tilt (inverted <sup>g</sup> ): -45° to +90° Tilt speed: 0.05°/s to 60°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) Zoom: 30x optical zoom, 12x digital zoom, total 360x zoom Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, focus window, speed zoom, focus recall, de-icing control <sup>b</sup> , dynamic load balancing <sup>c</sup>	<b>General</b>
<b>Video</b>		<b>Casing</b>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), Baseline, Main and High Profiles Motion JPEG	IP66-, and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: tempered glass with anti-reflective coating Long-life silicone wiper Sunshield: high-impact UV-stabilized thermoplastic
<b>Resolution</b>	1920x1080 (HDTV 1080p) to 320x180	<b>Sustainability</b>
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in 1080p Up to 50/60 fps (50/60 Hz) in 720p	PVC free
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264	<b>Memory</b>
<b>Image settings</b>	Compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, WDR - forensic capture (up to 120 dB), automatic backlight compensation, fine tuning of low-light behavior, manual shutter time, text and image overlay, 20 individual 3D privacy masks, image freeze on PTZ, electronic image stabilization	512 MB RAM, 256 MB Flash
<b>Network</b>		<b>Power</b>
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>d</sup> encryption, network failover mode <sup>f</sup> , IEEE 802.1X <sup>d</sup> network access control, digest authentication, user access log, centralized certificate management	20–28 V AC/DC Typical: 16 W Max: 204 W Power loss recovery <sup>e</sup> TVS 2 kV surge protection I/O connector
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>d</sup> , SSL/TLS <sup>d</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Axis APTP A	Output voltage: 12 V DC Max load: 50 mA
<b>System integration</b>		<b>Connectors</b>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform, specifications at <a href="http://www.axis.com">www.axis.com</a> ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>	SFP slot (SFP module not included) <sup>f</sup> RJ45 10BASE-T/100BASE-TX network connector <sup>f</sup> Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, Shock Detection, Advanced Gatekeeper <b>Supported</b> AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	<b>Storage</b>
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection, shock detection, day/night mode Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: autotracking, moving, preset reached, ready Storage: disruption, recording System: system ready	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
		<b>Operating conditions</b>
		Normal: -50 °C to 55 °C (-58 °F to 131 °F) Maximum (intermittent): 65 °C (149 °F) Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity 10–100% RH (condensing) Wind load when PTZ operational 47 m/s (106 mph), without sunshine > 60 m/s (135 mph) <sup>g</sup> Maximum effective projected area (EPA): 0.119 m <sup>2</sup>
		<b>Storage conditions</b>
		-40 °C to 70 °C (-40 °F to 158 °F)
		<b>Approvals</b>
		EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, IEC 62262 IK10 <sup>h</sup> , NEMA 250 Type 4x, ISO 4892-2, IEC 60068-2-6, IEC 60068-2-27
		<b>Dimensions</b>
		229 x 411 x 580 mm (9 x 16 x 23 in) Maximum height with 45° tilt upwards: 680 mm (27 in) Maximum width/depth with 360° pan clearance: 633 mm (25 in)
		<b>Weight</b>
		14 kg (31 lb)
		<b>Included accessories</b>
		Installation Guide Windows decoder 1-user license Power connector, I/O connector Torx <sup>®</sup> bits T20 and T30
		<b>Optional accessories</b>
		AXIS T94J01A Wall Mount AXIS T94N01G Pole Mount AXIS T95A64 Corner Bracket AXIS Washer Kit B AXIS Cable 24 V DC/24–240 V AC 22 m <sup>i</sup> AXIS T8611 SFP Module LC.LX AXIS T8612 SFP Module LC.SX AXIS T8613 SFP Module 1000BASE-T AXIS T99 Illuminator Bracket Kit A Power supply DIN PS24 480 W

	For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *The camera housing can be mounted in an inverted configuration if tilting directly upwards is preferred.*
- b. *Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX).*
- c. *Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.*
- d. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).*

- e. *Memory of all IP data and home position retained, and guard tour and other events resumed.*
- f. *If the network link is established via both the SFP and RJ45 connectors, the former acts as the primary link and the latter as the failover link.*
- g. *The values shown are based on results from actual wind tunnel testing. The maximum wind load when the unit is stationary is not known due to wind speed limit of 60 m/s (135 mph) at the test lab. For drag force calculations, use maximum effective projected area (EPA).*
- h. *Excluding front window.*
- i. *When using the 22 m (72 ft) AXIS Cable 24 V DC/24–240 V AC, a power supply capable of delivering 400 W is required to compensate for the power loss in the cable.*

Environmental responsibility:

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## AXIS Q6075-SE PTZ Camera

Outdoor-ready, stainless steel PTZ with HDTV 1080p and 40x zoom

AXIS Q6075-SE PTZ Camera offers great overviews and excellent details. It comes with autotracking 2, as well as an orientation aid for active object tracking and quick orientation. With Axis Lightfinder 2.0 the camera delivers low-light images with more saturated colors and sharper images of moving objects. Plus, the included TPM module ensures highest network security. Furthermore, Zipstream with H.264/ H.265 significantly lowers bandwidth and storage requirements. The media converter enables daisy chain installation using standard network or fiber optic cables.

- > **Marine-grade stainless steel casing**
- > **HDTV 1080p and 40x optical zoom**
- > **SFP slots for fiber, RJ45 connections**
- > **I/O for alarm in/out**
- > **Built-in analytics**



# AXIS Q6075-SE PTZ Camera

<b>Models</b>	AXIS Q6075-SE 50 Hz AXIS Q6075-SE 60 Hz	I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open
<b>Camera</b>		
<b>Image sensor</b>	1/2.8" progressive scan CMOS	
<b>Lens</b>	4.25–170 mm, F1.6–4.95 Horizontal field of view: 65.1°–2.00° (1080p) Vertical field of view: 39.1°–1.18° (1080p) Autofocus, auto-iris	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6 Color: 0.15 lux at 50 IRE, F1.6 B/W: 0.003 lux at 50 IRE, F1.6	
<b>Shutter speed</b>	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 220°, 0.05°–450°/s Zoom: 40x optical, 12x digital, total 480x zoom E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	HDTV 1080p 1920x1080 to 320x180	
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	
<b>Image settings</b>	Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module	
<b>Supported protocols</b>	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Event conditions</b>	Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP MQTT publish	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter, leveling guide	
<b>Analytics</b>		
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
<b>Applications</b>	Included AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper Basic analytics (not to be compared with third-party analytics): object removed, enter/exit detector, object counter Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IP66-, IP67-, NEMA 4X- and IK10-rated Stainless steel casing (V4A, SAE 316L/UNS S31603/EN 1.4404), nylon clear dome	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Camera consumption: Max 65 W PSU: 24 V DC +/- 0.5 V, min 3.2 A (75 W)	
<b>Connectors</b>	IP68-rated multiconnector for DC power, Ethernet 10BASE-T/100BASE-TX and I/O	
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	-30 °C to 50 °C (-22 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	<b>EMC</b> EN 50121-4, IEC 62236-4, EN 55024, EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 <b>Safety</b> IEC/EN/UL 60950-1, IS 13252 IEC/EN/UL 60950-22, IEC/EN/UL 62368-1 <b>Environment</b> IEC/EN 60529 IP66/IP67, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), MIL-STD 810G (Method 509) <b>Network</b> NIST SP500-267	
<b>Weight</b>	6.0 kg ( 13 lb)	
<b>Dimensions</b>	Ø224 x 256 mm (Ø8.82 x 10.1 in)	
<b>Included accessories</b>	AXIS T8607 Media Converter Switch, 7 m (23 ft) IP68-rated multicable Installation Guide, Windows decoder 1-user license	

<b>Optional accessories</b>	AXIS T8008 Power Supply, AXIS T94A02D Pendant Kit, AXIS T91F67 Pole Mount <sup>9</sup> , AXIS Q60-S Smoked Dome, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>	<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
- b. *Requires AXIS T91K61 Wall Mount*



## AXIS T8607 Media Converter Switch

General	
<b>Casing</b>	Metal Color: White NCS S 1002-B
<b>Power</b>	24 V DC, max 4 W (power supply not included)
<b>Connectors</b>	2x RJ45 connectors (10/100 Mbps) (Use shielded cables (STP) CAT5 or higher.) 2x SFP connectors (100/1000 Mbps) for SFP fiber optic modules or SFP to copper modules 1x power 2x configurable alarm input/output ports Camera multicable
<b>Display and indicators</b>	Power LED indicator Camera network LED indicator Network LED indicator (4x)
<b>Compliance</b>	RoHS, REACH, WEEE, CE, EN 50022, IEC 60715, AS 2756
<b>Mounting</b>	DIN Rail mount
<b>Environment</b>	Indoor/Cabinet
<b>Operating conditions</b>	-40 °C to 75 °C (-40 °F to 167 °F) Humidity 10-85% RH (non-condensing)
<b>Storage conditions</b>	-40 °C to 75 °C (-40 °F to 167 °F) Humidity 10-85% RH (non-condensing)
<b>Approvals</b>	EMC EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22, KCC KN22 Class A, KN24 Safety IEC/EN 60950-1
<b>Dimensions</b>	150 x 100 x 30 mm (5 15/16 x 3 15/16 x 1 3/16 in)
<b>Weight</b>	284 g (0.63 lb)
<b>Included accessories</b>	Bracket Mount DIN Clip
<b>Warranty</b>	3-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS M5065 PTZ Network Camera

## Mini HDTV PTZ with wireless I/O

AXIS M5065 PTZ Network Camera is an ultra-discreet, palm-sized, pan-tilt-zoom camera for remote indoor monitoring. With its support for wireless input/output connectivity, the camera can communicate wirelessly with connected Z-Wave Plus<sup>®</sup> devices, creating a small security solution with less cabling. AXIS M5065 is a ceiling-mount camera that provides coverage over a 500 m<sup>2</sup> (4300 sq. ft) area with  $\pm 180^\circ$  pan, 90° tilt, and 5x optical zoom. The IP51 rating ensures protection against dust and dripping water, enabling camera operation even when a sprinkler system is activated.

- > **HDTV 1080p and 5x optical zoom**
- > **Z-wave Plus<sup>®</sup> compatibility**
- > **IP51-rated**
- > **Power over Ethernet (IEEE 802.3af)**
- > **Built-in analytics**



# AXIS M5065 PTZ Network Camera

<b>Models</b>	AXIS M5065 EUR AXIS M5065 JP AXIS M5065 US	Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share, email PTZ control: preset position Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text Z-Wave Status LED
<b>Camera</b>		
<b>Image sensor</b>	1/4.85" progressive scan RGB CMOS	
<b>Lens</b>	Varifocal. 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus	
<b>Minimum illumination</b>	Color: 1.2 lux at 30 IRE F1.4	
<b>Shutter speed</b>	1/16000 s to 1 s	
<b>Pan/Tilt/Zoom</b>	Pan: ±179°, 100°/s Tilt: 90°, 100°/s Zoom: 5x optical, 10x digital 25 preset positions, control queue, on-screen directional indicator	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG	
<b>Resolution</b>	1920x1080 to 320x180 (16:9)	
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all resolutions	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264	
<b>Image settings</b>	Resolution, compression, rotation: 0°, 180°, text and image overlay, color, brightness, sharpness, white balance, wide dynamic range, exposure control, exposure time, gain, exposure zones, exposure priority, image freeze on PTZ, privacy masks	
<b>Audio</b>		
<b>Audio streaming</b>	One-way	
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	
<b>Audio input</b>	Built-in microphone	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management	
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>b</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Z-Wave Plus <sup>®</sup> HC4 and HC8 <sup>b</sup>	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Analytics</b>	Included AXIS Video Motion Detection, audio volume detection, scream detection, removed object detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	
<b>Event triggers</b>	Applications Detectors: live stream accessed Hardware: network Input signal: manual trigger, virtual inputs, Z-Wave PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	
<b>Event actions</b>	Record video: SD card, network share	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter	
<b>General</b>		
<b>Casing</b>	IP51-rated plastic casing, clear dome	
<b>Sustainability</b>	PVC free	
<b>Memory</b>	512 MB RAM, 256 MB Flash	
<b>Power</b>	Power over Ethernet 802.3af/802.3at Type 1 Class 3 Typical 4.8 W, max 8.0 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE	
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>	
<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)	
<b>Storage conditions</b>	-30 °C to 60 °C (-22 °F to 140 °F)	
<b>Approvals</b>	<b>AXIS M5065 EUR</b> EN 55032 Class A, EN 55024, EN 301489-1, EN 301489-3, EN 61000-6-1, EN 61000-6-2, EN 300220-1, EN 300220-2, EN 62368-1, EN 62479, IEC/EN 60529 IP51 <b>AXIS M5065 JP</b> EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, VCCI Class A, RCM AS/NZS CISPR 32 Class A, TELEC, IEC/EN/UL 62368-1, IEC/EN 60529 IP51 <b>AXIS M5065 US</b> EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, IEC/EN/UL 62368-1, IEC/EN 60529 IP51	
<b>Dimensions</b>	Ø130 x 63 mm (Ø5.1 x 2.5 in)	
<b>Weight</b>	375 g (0.8 lb)	
<b>Included accessories</b>	AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license	
<b>Optional accessories</b>	AXIS M50 Clear Dome Cover A AXIS T8341 PIR Motion Sensor AXIS T8342 Door/Window Sensor AXIS T8343 Alert Button AXIS T8344 Power On/Off Plug For more accessories, see <a href="http://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).
- b. Device types in home control group 4: notification sensors. Device types in home control group 8: on/off power switches, power strips, irrigation controls. For more information on the supported command classes, see the product's User Manual.

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS Q6075-E PTZ Network Camera

Outdoor-ready PTZ with HDTV 1080p and 40x optical zoom

AXIS Q6075-E PTZ Network Camera offers HDTV 1080p and 40x optical zoom for great overviews and excellent details. This high-performance outdoor PTZ camera comes with autotracking 2 with click and track functionality, as well as an orientation aid for active object tracking and quick orientation. With Axis Lightfinder 2.0 the camera delivers low-light images with more saturated colors and sharper images of moving objects. Plus, enhanced security features such as signed firmware and secure boot ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264/ H.265 significantly lowers bandwidth and storage requirements.

- > [HDTV 1080p with 40x optical zoom](#)
- > [Axis Lightfinder 2.0](#)
- > [Autotracking 2 and orientation aid](#)
- > [Built-in analytics](#)
- > [TPM, FIPS 140-2 level 2 certified](#)



# AXIS Q6075-E PTZ Network Camera

<b>Models</b>	AXIS Q6075-E 50 Hz AXIS Q6075-E 60 Hz	I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open
<b>Camera</b>		
<b>Image sensor</b>	1/2.8" progressive scan CMOS	
<b>Lens</b>	4.25–170 mm, F1.6–4.95 Horizontal field of view: 65.1°–2.00° (1080p) Vertical field of view: 39.1°–1.18° (1080p) Autofocus, auto-iris	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6 Color: 0.15 lux at 50 IRE, F1.6 B/W: 0.003 lux at 50 IRE, F1.6	
<b>Shutter speed</b>	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 220°, 0.05°–450°/s Zoom: 40x optical, 12x digital, total 480x zoom E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	HDTV 1080p 1920x1080 to 320x180	
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	
<b>Image settings</b>	Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>b</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Event conditions</b>	Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP MQTT publish	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter, leveling guide	
<b>Analytics</b>		
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
<b>Applications</b>	Included AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper Basic analytics (not to be compared with third-party analytics): object removed, enter/exit detector, object counter Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IP66-, IP67-, NEMA 4X- and IK10-rated Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 14 W, max 51 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included	
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	With 30 W: -20 °C to 50 °C (-4 °F to 122 °F) With 60 W: -50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 EN 50121-4, IEC 62236-4 <b>Safety</b> IEC/EN/UL 60950-1, IS 13252 IEC/EN/UL 60950-22, IEC/EN/UL 62368-1 <b>Environment</b> IEC/EN 60529 IP66/IP67, NEMA TS 2 (2.2.7-2.2.9), IEC 62262 IK10, ISO 4892-2, EN 50121-4, IEC 62236-4, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, NEMA 250 Type 4X <b>Network</b> NIST SP500-267 <b>Midspan:</b> EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR	

<b>Weight</b>	3.75 kg (8.3 lb)
<b>Dimensions</b>	Ø232 x 271 mm (Ø9.13 x 10.7 in)
<b>Included accessories</b>	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	Smoked dome cover AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>

**Languages** English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

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# AXIS M5525-E PTZ Network Camera

Indoor and outdoor PTZ with 10x zoom

AXIS M5525-E PTZ Network Camera is a compact pan-tilt-zoom camera with HDTV 1080p resolution, 10x optical zoom, and autofocus, enabling great video quality in both overview and detail. Day/night functionality and WDR – Forensic Capture ensures maintained image quality in low or mixed light, and scene profiles are included for automatic optimization. AXIS M5525-E is compatible with any Axis PTZ mount for outdoor installation, but can also be surface-mounted indoors. Protected against dust, rain, snow, and corrosion, the camera operates in temperatures from -20 °C to 50 °C (-4 °F to 122 °F). The microSD card slot enables local video storage.

- > **HDTV 1080p with 10x optical zoom**
- > **Continuous 360° for uninterrupted pan**
- > **WDR — Forensic Capture**
- > **Axis Zipstream technology**
- > **I/O ports and two-way audio**



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# AXIS M5525-E PTZ Network Camera

<b>Camera</b>		Overlay text, play audio clip, external output activation, WDR mode
<b>Image sensor</b>	1/2.8" progressive scan CMOS	
<b>Lens</b>	4.7–47 mm, F1.6–3.0 Horizontal field of view: 61.8°–6.7° Vertical field of view: 37.2°–3.8° Autofocus, auto-iris	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.45 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 Color: 0.55 lux at 50 IRE F1.6 B/W: 0.01 lux at 50 IRE F1.6	
<b>Shutter speed</b>	1/66500 s to 2 s	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 1.8°–150°/s Tilt: 90°, 1.8°–150°/s 10x optical zoom, 12x digital zoom, total 120x zoom Nadir flip, 100 preset positions, limited guard tour, control queue, on-screen directional indicator	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	
<b>Resolution</b>	1920x1080 to 320x180	
<b>Frame rate</b>	Up to 25/30 fps with power line frequency 50/60 Hz	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264	
<b>Image settings</b>	Saturation, brightness, sharpness, WDR – forensic capture, white balance, exposure mode, exposure zones, compression, text and image overlay, 20 individual 3D privacy masks, contrast, scene profiles, image freeze on PTZ, local contrast, max shutter, max gain, noise/motion priority, aperture lock, exposure level, rotation: 0°, 180°	
<b>Audio</b>		
<b>Audio streaming</b>	Two-way, full duplex	
<b>Audio encoding</b>	AAC-LC 8/16/32 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz, LPCM 32 kHz Configurable bit rate	
<b>Audio input/output</b>	External microphone input or line input, line output	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDAP	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Event triggers</b>	Analytics, edge storage events Detectors: day/night mode, live stream accessed, audio detection Hardware: network, temperature Input Signal: digital input port, manual trigger, virtual inputs PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	
<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP, and SNMP trap PTZ: PTZ preset, start/stop guard tour	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter	
<b>Analytics</b>		
<b>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, audio detection, advanced gatekeeper <b>Supported</b> AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IP66-, NEMA 4X- and IK09-rated Repaintable plastic casing, polycarbonate (PC) dome	
<b>Sustainability</b>	PVC free	
<b>Memory</b>	512 MB RAM, 256 MB Flash	
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 6.6 W, max 12.95 W 20–28 V DC, typical 6.3 W, max 13 W (PoE midspan and power supply not included)	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE DC input terminal block I/O: 6-pin terminal block with push-in spring connection for four configurable inputs/outputs Audio: mic/line in, line out terminal block with push-in spring connection	
<b>Storage</b>	Support for microSD/SDHC/SDXC card (not included) Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	-20 °C to 50 °C (-4 °F to 122 °F) Humidity 15–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KN35 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252 <b>Environment</b> IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60529 IP66, IEC/EN 62262 IK09 <b>Network</b> NIST SP500-267	
<b>Dimensions</b>	Height: 132 mm (5.2 in), ø 165 mm (6.5 in)	
<b>Weight</b>	1.1 kg (2.4 lb) Recessed mount (plenum rated): 1.0 kg (2.2 lb)	
<b>Included accessories</b>	Conduit adapter 3/4", smoked dome, adapter bayonet Installation Guide, Windows <sup>®</sup> decoder 1-user license	
<b>Optional accessories</b>	AXIS T91 Mounting Accessories, AXIS T94P01L Recessed Mount Kit	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>	
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:  
[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)



# AXIS P5414-E PTZ Dome Network Camera

Intelligent direct drive PTZ dome with HDTV 720p

AXIS P5414-E is an outdoor-ready HDTV 720p PTZ dome with 18x optical zoom. Designed to blend in with a building, AXIS P5414-E mounts directly on the wall with a built-in bracket for ease of installation. When mounted on the corner of a building, it enables 270° pan for wide area coverage. AXIS P5414-E features a direct drive pan/tilt system with no belts or gears, enabling reliable, low-maintenance mechanics. The sunshield can be easily removed and repainted to match the wall color. A hidden junction box supports two-way audio, a memory card slot, four configurable input/output ports, 24 V DC and Power over Ethernet.

- > **Outdoor wall-mount design for easy installation**
- > **Repaintable, integrated sunshield**
- > **Durable, low maintenance mechanics**
- > **HDTV 720p performance and 18x optical zoom**
- > **Two-way audio & input/output ports**



For more information please contact:



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# AXIS P5414-E PTZ Dome Network Camera

<b>Models</b>	AXIS P5414-E 50 Hz AXIS P5414-E 60 Hz	File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP	
<b>Camera</b>			
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	<b>Data streaming</b> Event data	
<b>Lens</b>	4.7–84.6 mm, F1.6–2.8 Horizontal field of view: 59°–4° Vertical field of view: 35°–2° Autofocus	<b>Built-in installation aids</b> Pixel counter	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>General</b>	
<b>Minimum illumination</b>	Color: 0.4 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6	<b>Casing</b> IP66- and NEMA 4X-rated, IK07 impact-resistance Metal casing (aluminum), clear dome (PC), sunshield (ASA)	
<b>Shutter speed</b>	1/28000 s to 2 s	<b>Sustainability</b> PVC free	
<b>Pan/Tilt/Zoom</b>	Pan: ± 135° <sup>a</sup> 0.2°–350°/s Tilt: 0°–90° 0.2°–350°/s Zoom: 18x optical, 12x digital zoom, Total 216x zoom Nadir flip, 100 preset positions, limited guard tour, control queue, focus window, on-screen directional indicator	<b>Memory</b> 256 MB RAM, 128 MB Flash	
<b>Video</b>			
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	<b>Power</b> Axis PoE+ midspan 1-port: 100–240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Multi-connector cable: 24 V DC, max 16 W PoE+ midspan and power supply not included.	
<b>Resolution</b>	1280x720 to 160x90	<b>Connectors</b> RJ45 for 10BASE-T/100BASE-TX PoE Terminal blocks for DC input, 4 configurable alarm inputs/outputs, mic in/line in, line out	
<b>Frame rate</b>	Up to 30/25 fps (60/50 Hz) in all resolutions	<b>Storage</b> Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264	<b>Operating conditions</b> -20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–100% RH (condensing)	
<b>Image settings</b>	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, WDR, backlight compensation, fine tuning of behavior at low light, text and image overlay, 20 individual 3D privacy masks	<b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–80% RH (non-condensing)	
<b>Audio</b>			
<b>Audio streaming</b>	Two-way	<b>Approvals</b> EMC EN 50121-4, IEC 62236-4: 2008, EN 50581, EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-2 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 Class IK07, ISO 4892-2 Network NIST SP500-267	
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	<b>Dimensions</b> 265 x 169 x 224 mm (10 7/16 x 6 5/8 x 8 13/16 in)	
<b>Audio input/output</b>	External microphone or line input, and line output	<b>Weight</b> 3.5 kg (7.7 lb.)	
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, Digest authentication, User access log, Centralized Certificate Management	<b>Included accessories</b> Installation Guide, AVHS Authentication key, Windows decoder 1-user license AXIS ACI Conduit Adapter 3/4" U-Shape 30 mm Weather Cover	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTPCIP	<b>Optional accessories</b> AXIS P54 Smoked Dome AXIS T8133 Midspan 30 W 1-port AXIS T8415 Wireless Installation Tool AXIS T94P01B Corner Bracket AXIS T98A19-VE Surveillance Cabinet For more accessories, see <a href="http://www.axis.com">www.axis.com</a>	
<b>System integration</b>			
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>	
<b>Analytics</b>	AXIS Video Motion Detection 4, audio detection, advanced gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection Hardware: network, temperature, fan Input Signal: manual trigger, virtual inputs PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>	
<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, play audio clip PTZ: PTZ preset, start/stop guard tour	<b>Environmental responsibility:</b> <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>	

- a. *With corner-mount installations, there is slight visual obstruction from the housing in the upper left/right corner of the image at pan end points.*  
b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).*

# AXIS Q6075 PTZ Network Camera

Indoor PTZ with HDTV 1080p and 40x optical zoom

AXIS Q6075 PTZ Network Camera offers HDTV 1080p and 40x optical zoom for great overviews and excellent details. This high-performance indoor PTZ camera comes with autotracking 2 with click and track functionality, as well as an orientation aid for active object tracking and quick orientation. With Axis Lightfinder 2.0 the camera delivers low-light images with more saturated colors and sharper images of moving objects. Plus, enhanced security features such as signed firmware and secure boot ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264/ H.265 significantly lowers bandwidth and storage requirements.

- > [HDTV 1080p with 40x optical zoom](#)
- > [Axis Lightfinder 2.0](#)
- > [Autotracking 2 and orientation aid](#)
- > [Built-in analytics](#)
- > [TPM, FIPS 140-2 level 2 certified](#)



# AXIS Q6075 PTZ Network Camera

<b>Models</b>	AXIS Q6075 50 Hz AXIS Q6075 60 Hz	<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at <a href="https://onvif.org">onvif.org</a>
<b>Camera</b>		<b>Event conditions</b>	Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open
<b>Image sensor</b>	1/2.8" progressive scan CMOS	<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP External output activation, audio recording to edge storage, play audio clip MQTT publish
<b>Lens</b>	4.25–170 mm, F1.6–4.95 Horizontal field of view: 65.1°–2.00° (1080p) Vertical field of view: 39.1°–1.18° (1080p) Autofocus, auto-iris	<b>Data streaming</b>	Event data
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Built-in installation aids</b>	Pixel counter, leveling guide
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6 Color: 0.15 lux at 50 IRE, F1.6 B/W: 0.003 lux at 50 IRE, F1.6	<b>Analytics</b>	
<b>Shutter speed</b>	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 180°, 0.05°–450°/s Zoom: 40x optical, 12x digital, total 480x zoom E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall	<b>Applications</b>	<b>Included</b> AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper, audio detection Basic analytics (not to be compared with third-party analytics): object removed, enter/exit detector, object counter <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
<b>System on chip (SoC)</b>		<b>General</b>	
<b>Model</b>	ARTPEC-7	<b>Casing</b>	IP52-rated Metal casing (aluminum), Acrylic (PMMA) clear dome
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Sustainability</b>	PVC free
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	<b>Power</b>	Axis PoE+ midspan 1–port: 100–240 V AC, max 22.4 W IEEE 802.3at Type 2 Class 4 Camera PoE consumption: typical 11 W, max 17.1 W <b>Multiconnector:</b> 24 V DC +/- 10%, typical 10.5 W, max 16.1 W 24 V AC +/- 10%, typical 16.5 VA, max 25.3 VA
<b>Video</b>		<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, multiconnector (cable sold separately) for AC/DC power, 4 configurable alarm inputs/outputs, mic in, line mono input, line mono output to active speaker
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>
<b>Resolution</b>	HDTV 1080p 1920x1080 to 320x180	<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 <b>Safety</b>
<b>Image settings</b>	Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	<b>System integration</b>	
<b>Audio</b>			
<b>Audio streaming</b>	Two-way, full duplex, half-duplex, simplex		
<b>Audio encoding</b>	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate		
<b>Audio input/output</b>	Requires multicable (sold separately) for external microphone or line input, and line output, automatic gain control		
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module		
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLD, CDP, MQTT, Syslog, Link-Local address (ZeroConf)		

IEC/EN/UL 60950-1, IS 13252  
IEC/EN 62368-1  
**Environment**  
IEC/EN 60529 IP52, IEC 60068-2-1, IEC 60068-2-2,  
IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27,  
IEC 60068-2-78

**Network**  
NIST SP500-267

**Midspan:** EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC,  
UL-AR

<b>Weight</b>	Camera: 2.85 kg (6.3 lb); with drop-ceiling mount: 3.5 kg (7.7 lb)
<b>Dimensions</b>	Hard-ceiling: Ø198 x 240 mm (Ø7.8 x 9.45 in) Drop-ceiling: Ø248 x 243 mm (Ø9.76 x 9.57 in)
<b>Included accessories</b>	Axis PoE+ midspan 1-port, Recessed mount for hard and drop ceilings, Smoked dome cover Installation Guide, Windows decoder 1-user license

<b>Optional accessories</b>	AXIS P55/AXIS Q60 Multi-connector cable, 5 m AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS Q8642-E PT Thermal Network Camera

## Unobstructed views and long-distance VGA detection

AXIS Q8642-E PT Thermal Network Camera offers outstanding thermal contrast and 10° field of view, which together with analytics, enables long-range detection and immediate visual confirmation for the operator. Highly responsive and reliable positioning camera, designed for continuous and jerk-free pan and tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables 360° unobstructed field of view, covering a wide area and reducing the cost for additional cameras. AXIS Q8642-E provides 640x480 thermal resolution, Zipstream and electronic image stabilization. Features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link.

- > [Reliable thermal detection](#)
- > [Outstanding thermal contrast – 640x480 resolution](#)
- > [Responsive positioning with quick, smooth pan and tilt capabilities](#)
- > [Save bandwidth with Zipstream](#)
- > [Electronic image stabilization](#)



# AXIS Q8642-E PT Thermal Network Camera

<b>Models</b>	AXIS Q8642-E 60 mm 30 fps 24 V AXIS Q8642-E 60 mm 8.3 fps 24 V	<b>General</b>	
<b>Camera</b>		<b>Casing</b>	IP66- and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic
<b>Image sensor</b>	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm	<b>Sustainability</b>	PVC free
<b>Lens</b>	Athermalized Horizontal field of view: 10°, F1.25	<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Sensitivity</b>	NETD < 50 mK	<b>Power</b>	24 V AC/DC Typical 16 W, max 182 W Power loss recovery <sup>d</sup> , TVS 2 kV surge protection <b>I/O connector</b> Output power 12 V DC, max load 50 mA
<b>Pan/Tilt</b>	Pan: 360° endless, 0.05°-120°/s Tilt: -90 to +45°, 0.05°-60°/s Jerk-free movements at low speed: $\sigma < 0.01^\circ/s$ (at 0.05°/s) De-icing control <sup>a</sup> Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing <sup>b</sup>	<b>Connectors</b>	SFP slot (SFP module not included) <sup>e</sup> RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector <sup>e</sup> Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
<b>Video</b>		<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>Operating conditions</b>	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10-100% RH (condensing) <b>Wind load when PT operational</b> 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m <sup>2</sup>
<b>Resolution</b>	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Frame rate</b>	Up to 8.3 fps and 30 fps	<b>Approvals</b>	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 <b>Environment</b> IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 <b>Network</b> NIST SP500-267
<b>Video streaming</b>	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	<b>Dimensions</b>	557 x 229 x 289 mm (22 x 9 x 11 in)
<b>Image settings</b>	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes	<b>Weight</b>	12.2 kg (27 lb)
<b>Network</b>		<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license Power connector, I/O connector, Torx® bits T20 and T30
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>c</sup> encryption, network fail-over link <sup>e</sup> , IEEE 802.1x (EAP-TLS) <sup>c</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	<b>Optional accessories</b>	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24-240 V AC 22 m <sup>f</sup> , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>c</sup> , SSL/TLS <sup>c</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDAP, MQTT v3.1.1	<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>System integration</b>		<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <a href="http://onvif.org">onvif.org</a>	<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Event triggers</b>	Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	<b>Export control</b>	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.
<b>Event actions</b>	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay text PTZ control: preset position, guard tour File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email		
<b>Data streaming</b>	Event data		
<b>Built-in installation aids</b>	Pixel counter		
<b>Analytics</b>			
<b>Applications</b>	<b>Included</b> AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection <b>Supported</b> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>		

- Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.
- Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).
- IP data and home position retained, and guard tour and other events resumed.
- If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the failover link.
- When using the 22 m (72 ft) AXIS Cable 24 V DC/24-240 V AC, a power supply capable of delivering 220 W is required to compensate for the power loss in the cable.

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS M5054 PTZ Network Camera

## Mini PTZ with HDTV 720p resolution

AXIS M5054 PTZ Network Camera is an ultra-discreet, palm-sized, pan-tilt-zoom camera for remote indoor monitoring. It provides full frame rate video in HDTV 720p resolution, and supports multiple H.264 and Motion JPEG video streams. AXIS M5054 is a ceiling-mount camera that provides flexible coverage over a 500 m<sup>2</sup> (4300 sq. ft) area with  $\pm 180^\circ$  pan, 90° tilt, and 5x optical zoom. The IP51 rating ensures protection against dust and dripping water, enabling the camera to operate even when a sprinkler system is activated.

- > **HDTV 720p**
- > **5x optical zoom and autofocus**
- > **IP51-rated**
- > **Power over Ethernet (IEEE 802.3af)**
- > **Built-in analytics**



# AXIS M5054 PTZ Network Camera

Camera	
<b>Image sensor</b>	1/4.85" progressive scan RGB CMOS
<b>Lens</b>	Varifocal. 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus
<b>Minimum illumination</b>	Color: 0.9 lux at 30 IRE F1.4
<b>Shutter speed</b>	1/16000 s to 1 s
<b>Pan/Tilt/Zoom</b>	Pan: ±179°, 100°/s Tilt: 90°, 100°/s Zoom: 5x optical, 10x digital 25 preset positions, control queue, on-screen directional indicator
Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG
<b>Resolution</b>	1280x720 to 320x180 (16:9)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all resolutions
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
<b>Image settings</b>	Resolution, compression, rotation: 0°, 180°, text and image overlay, color, brightness, sharpness, white balance, wide dynamic range, exposure control, exposure time, gain, exposure zones, exposure priority, image freeze on PTZ, privacy masks
Audio	
<b>Audio streaming</b>	One-way
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
<b>Audio input</b>	Built-in microphone
Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>®</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Z-Wave Plus <sup>®</sup> HC4 and HC8 <sup>b</sup>
System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile G, specification at <a href="http://onvif.org">onvif.org</a>
<b>Analytics</b>	Included AXIS Video Motion Detection, audio volume detection, scream detection, removed object detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Applications Detectors: live stream accessed Hardware: network Input signal: manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording
	System: system ready Time: recurrence, use schedule
<b>Event actions</b>	Record video: SD card, network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share, email PTZ control: preset position Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text Status LED
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter
General	
<b>Casing</b>	IP51-rated plastic casing, clear dome
<b>Sustainability</b>	PVC free
<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Power</b>	Power over Ethernet 802.3af/802.3at Type 1 Class 3 Typical 4.6 W, max 7.8 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)
<b>Storage conditions</b>	–30 °C to 60 °C (–22 °F to 140 °F)
<b>Approvals</b>	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN-35 Safety IEC/EN/UL 62368-1 Environment IEC/EN 60529 IP51
<b>Dimensions</b>	Ø130 x 63 mm (Ø5.1 x 2.5 in)
<b>Weight</b>	375 g (0.8 lb)
<b>Included accessories</b>	AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	AXIS M50 Clear Dome Cover A For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).
- b. Device types in home control group 4: notification sensors. Device types in home control group 8: on/off power switches, power strips, irrigation controls. For more information on the supported command classes, see the product's User Manual.

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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## AXIS Q6315-LE PTZ Network Camera

High-end outdoor-ready HDTV 1080p PTZ camera with quick-zoom and laser focus

AXIS Q6315-LE is a high-speed PTZ camera offering HDTV 1080p resolution. It features IR illumination and day/night functionality for surveillance in pitch darkness. With 31x optical zoom, laser focus for precise focus and quick-zoom functionality, it allows you to easily follow fast-moving objects. It includes orientation aid and autotracking 2 with click and track functionality. Privacy masking with mosaic lets you pixelate whole areas of the scene. Plus, with chameleon masking, it automatically changes the color in the masking depending on the background color of the image. Furthermore, the TPM module ensures secure storage of all cryptographic keys and certificates.

- > **1/2" sensor with 31x optical zoom**
- > **IR illumination, D/N functionality**
- > **Autotracking 2 and orientation aid**
- > **Laser focus for precise focus with quick-zoom <1 sec zoom speed**
- > **TPM, FIPS 140-2 level 2 certified**



# AXIS Q6315-LE PTZ Network Camera

<b>Models</b>	AXIS Q6315-LE 50 Hz AXIS Q6315-LE 60 Hz	<b>Event conditions</b>	Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open
<b>Camera</b>		<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, day/night mode WDR mode IR illumination MQTT publish
<b>Image sensor</b>	1/2" progressive scan CMOS	<b>Data streaming</b>	Event data
<b>Lens</b>	Focal length: 6.91 – 214.64 mm, F1.36 – F4.6 Horizontal field of view: 60.6° – 2.0° Vertical field of view: 36.5° – 1.1° Laser focus, autofocus, P-iris Zoom speed: <1 sec between any zoom value	<b>Analytics</b>	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Compute capabilities</b>	Machine learning processing unit (MLPU)
<b>Minimum illumination</b>	Color: 0.06 lux at 30 IRE, F1.36 B/W: 0.001 lux at 30 IRE, F1.36, 0 lux with IR illumination on Color: 0.09 lux at 50 IRE, F1.36 B/W: 0.008 lux at 50 IRE, F1.36, 0 lux with IR illumination on	<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Shutter speed</b>	1/111000 s to 1/2 s with 50 Hz 1/111000 s to 1/2 s with 60 Hz	<b>Applications</b>	Included AXIS Object Analytics AXIS Video Motion Detection, AXIS OSDI Zone, Orientation Aid PTZ, advanced gatekeeper, autotracking 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05° – 550°/s Tilt: +20 to -90°, 0.05° – 500°/s Zoom: 31x optical, 12x digital, Total 372x zoom Quick-zoom, nadir flip, 300 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, speed dry	<b>General</b>	
<b>System on chip (SoC)</b>		<b>Casing</b>	IP66-, IP67, NEMA 4X- and IK10-rated Color: white NCS S 1002-B Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology
<b>Model</b>	ARTPEC-7	<b>Sustainability</b>	PVC free
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Video</b>		<b>Power</b>	Axis High PoE 60 W SFP midspan 1-port: 100-240 V AC, max 1.5 A IEEE802.3bt Type 3 Class 6 Camera consumption: typical 17 W (no IR), max 51 W
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66)
<b>Resolution</b>	1920x1080 (HDTV 1080p) to 320x180	<b>IR illumination</b>	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 300 m (984 ft) or more depending on the scene
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in all resolutions	<b>Storage</b>	Support for SD/SDHC/DXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	<b>Operating conditions</b>	-50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10-100% RH (condensing)
<b>Image settings</b>	Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, image freeze on PTZ, scene profiles, rotation, electronic image stabilization (EIS), defogging Contrast, local contrast, autofocus, Forensic WDR: Up to 120 dB depending on scene, 32 individual polygon privacy masks including mosaic and chameleon privacy masks	<b>Storage conditions</b>	-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5-95% RH (non-condensing)
<b>Network</b>		<b>Approvals</b>	EMC EN 55032 Class A, EN 55035, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A),
<b>Security</b>	Password protection, multi-level user, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> , network access control, user access log, digest authentication, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module		
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTCP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		
<b>System integration</b>			
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>		
<b>Onscreen controls</b>	IR illumination Quick-zoom Enable/disable all privacy masks Speed dry		

VCCI Class A, RCM AS/NZS CISPR 32 Class A, CISPR 35, EAC, EN 50121-4, KC KN32 Class A, KC KN35

**Safety**

IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22, IEC/EN 62471 risk group 2, IEC 60825-1 Class 1, IS 13252

**Environment**

IEC/EN 62262 IK10, IEC/EN 60529 IP66, NEMA 250, Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, ISO 21207 (Method B)

**Network**

NIST SP500-267

<b>Dimensions</b>	Height: 261 mm (10.3 in) With weather shield: ø 239 mm (9.4 in) Without weather shield: ø 192 mm (7.6 in)
<b>Weight</b>	4 800 g (10.6 lb)
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, 60 W Midspan (including power cable), IP66 rated network connector, repaint template, paint paper

**Optional accessories**

AXIS T91/T94 Mounting Accessories  
AXIS T8415 Wireless Installation Tool  
AXIS Surveillance Cards  
For more accessories, see [axis.com](http://axis.com)

**Video management software**

AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at [axis.com/vms](http://axis.com/vms)

**Languages**

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese

**Warranty**

5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS Q6074 PTZ Network Camera

Indoor PTZ with HDTV 720p and 30x optical zoom

AXIS Q6074 PTZ Network Camera offers HDTV 720p and 30x optical zoom for great overviews and excellent details. This high-performance indoor PTZ camera comes with autotracking 2 with click and track functionality, as well as an orientation aid for active object tracking and quick orientation. With Axis Lightfinder 2.0 the camera delivers low-light images with more saturated colors and sharper images of moving objects. Plus, enhanced security features such as signed firmware and secure boot ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264/ H.265 significantly lowers bandwidth and storage requirements.

- > [HDTV 720p with 30x optical zoom](#)
- > [Axis Lightfinder 2.0](#)
- > [Autotracking 2 and orientation aid](#)
- > [Built-in analytics](#)
- > [TPM, FIPS 140-2 level 2 certified](#)



# AXIS Q6074 PTZ Network Camera

<b>Models</b>	AXIS Q6074 50 Hz AXIS Q6074 60 Hz	<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at <a href="https://onvif.org">onvif.org</a>
<b>Camera</b>		<b>Event conditions</b>	Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open
<b>Image sensor</b>	1/2.8" progressive scan CMOS	<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP External output activation, audio recording to edge storage, play audio clip MQTT publish
<b>Lens</b>	4.25–127.5 mm, F1.6–4.2 Horizontal field of view: 63.8°–2.6° (720p) Vertical field of view: 38.0°–1.47° (720p) Autofocus, auto-iris	<b>Data streaming</b>	Event data
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Built-in installation aids</b>	Pixel counter, leveling guide
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6 Color: 0.15 lux at 50 IRE, F1.6 B/W: 0.003 lux at 50 IRE, F1.6	<b>Analytics</b>	
<b>Shutter speed</b>	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 180°, 0.05°–450°/s Zoom: 30x optical, 12x digital, total 360x zoom E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall	<b>Applications</b>	<b>Included</b> AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper, audio detection Basic analytics (not to be compared with third-party analytics): object removed, enter/exit detector, object counter <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
<b>System on chip (SoC)</b>		<b>General</b>	
<b>Model</b>	ARTPEC-7	<b>Casing</b>	IP52-rated Metal casing (aluminum), Acrylic (PMMA) clear dome
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Sustainability</b>	PVC free
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	<b>Power</b>	Axis PoE+ midspan 1–port: 100–240 V AC, max 22.4 W IEEE 802.3at Type 2 Class 4 Camera PoE consumption: typical 11 W, max 17.1 W <b>Multiconnector:</b> 24 V DC +/- 10%, typical 10.5 W, max 16.1 W 24 V AC +/- 10%, typical 16.5 VA, max 25.3 VA
<b>Video</b>		<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, multiconnector (cable sold separately) for AC/DC power, 4 configurable alarm inputs/outputs, mic in, line mono input, line mono output to active speaker
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>
<b>Resolution</b>	HDTV 720p 1280x720 to 320x180	<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 720p	<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 <b>Safety</b>
<b>Image settings</b>	Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation		
<b>Audio</b>			
<b>Audio streaming</b>	Two-way, full duplex, half-duplex, simplex		
<b>Audio encoding</b>	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate		
<b>Audio input/output</b>	Requires multicable (sold separately) for external microphone or line input, and line output		
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module		
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>b</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLD, CDP, MQTT, Syslog, Link-Local address (ZeroConf)		
<b>System integration</b>			

IEC/EN/UL 60950-1, IS 13252  
IEC/EN 62368-1  
**Environment**  
IEC/EN 60529 IP52, IEC 60068-2-1, IEC 60068-2-2,  
IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27,  
IEC 60068-2-78

**Network**  
NIST SP500-267

**Midspan:** EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC,  
UL-AR

<b>Weight</b>	Camera: 2.85 kg (6.3 lb); with drop-ceiling mount: 3.5 kg (7.7 lb)
<b>Dimensions</b>	Hard-ceiling: Ø198 x 240 mm (Ø7.8 x 9.45 in) Drop-ceiling: Ø248 x 243 mm (Ø9.76 x 9.57 in)
<b>Included accessories</b>	Axis PoE+ midspan 1-port, Recessed mount for hard and drop ceilings, Smoked dome cover Installation Guide, Windows decoder 1-user license

<b>Optional accessories</b>	AXIS P55/AXIS Q60 Multi-connector cable, 5 m AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS Q6215-LE PTZ Network Camera

## Heavy-duty PTZ camera with OptimizedIR

AXIS Q6215-LE PTZ Network Camera has a 1/2-inch sensor and combines great image quality with fast panning, tilting, and zooming. Its powerful, built-in IR illumination allows for an impressive viewing range in total darkness (up to 400 m or 1300 ft). This camera is ideal for open-area surveillance, since its robust design can withstand the toughest weather conditions including wind speed up to 245 km/h (150 mph). AXIS Q6215-LE is compliant with IP66, IP68, IK10, and NEMA 4X. It can be mounted facing up or down and comes equipped with a wiper to remove excess water, rain, or snow.

- > [HDTV 1080p with 30x zoom](#)
- > [Long-range OptimizedIR](#)
- > [MIL-STD-810G compliant](#)
- > [AXIS Guard Suite analytics](#)
- > [Zipstream, Lightfinder, and WDR](#)



# AXIS Q6215-LE PTZ Network Camera

Camera	
<b>Image sensor</b>	1/1.9" progressive scan RGB CMOS
<b>Lens</b>	Zoom lens, 6.7–201 mm, F1.6–5.3 Horizontal field of view: 58.6°–2.2° Vertical field of view: 34.1°–1.2° Autofocus, automatic day/night
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.07 lux at 30 IRE F1.6 B/W: 0.008 lux at 30 IRE F1.6, 0 lux with built-in IR illumination Color: 0.1 lux at 50 IRE F1.6 B/W: 0.01 lux at 50 IRE F1.6, 0 lux with built-in IR illumination
<b>Shutter speed</b>	1/30000 s to 1/6 s
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°/s to 150°/s Tilt: -90° to +90°, 0.05°/s to 150°/s Zoom: 30x optical zoom, 21x digital zoom Preset accuracy: 0.10° 256 preset positions, tour recording, guard tour, control queue, orientation aid PTZ

System on chip (SoC)	
<b>Model</b>	ARTPEC-6
<b>Memory</b>	1024 MB RAM, 512 MB Flash

Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), H.264 Main, High and Baseline Profiles Motion JPEG
<b>Resolution</b>	1920x1080 HDTV 1080p to 320x180
<b>Frame rate</b>	Up to 60/50 fps (60/50 Hz) in all resolutions
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
<b>Image settings</b>	Saturation, brightness, sharpness, noise reduction, WDR – up to 110 dB depending on scene, white balance, day-night shift priority, exposure mode, manual shutter time, defogging, backlight compensation, highlight compensation, compression, fine tuning of low-light behavior, text and image overlay, privacy masks, electronic image stabilization (EIS) <sup>a</sup>

Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection
<b>Supported protocols</b>	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>c</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, NTCIP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform, specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>
<b>Event triggers</b>	Analytics, edge storage events, virtual inputs through API Detectors: day/night mode, live stream accessed, shock detection Hardware: fan, network, temperature Input Signal: virtual inputs, manual trigger MQTT subscribe PTZ: autotracking, error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: use schedule
<b>Event actions</b>	Record video: SD card and network share MQTT publish Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email

	Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, and TCP PTZ: PTZ preset, start/stop guard tour, autotracking Overlay text, day/night mode
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter Automatic orientation
Analytics	
<b>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard <b>AXIS Video Motion Detection, autotracking, gatekeeper</b> <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
General	
<b>Cybersecurity</b>	Signed firmware
<b>Casing</b>	IP66-, IP68-, NEMA 4X- and IK10-rated aluminum casing Color: urban grey NCS S 5502-B Wiper included (silicone wiper blade)
<b>Sustainability</b>	PVC free
<b>Power</b>	High PoE 95 W midspan 1–port: 100–240 V AC, max 1.35 A IEEE 802.3bt Type 4 Class 8 Camera consumption: typical 25 W, max 71 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE
<b>IR illumination</b>	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 400 m (1300 ft) or more depending on the scene
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations, see <a href="http://axis.com">axis.com</a>
<b>Operating conditions</b>	-50 °C to 55 °C (-58 °F to 131 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) <b>Arctic Temperature Control:</b> Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing) <b>Wind load (sustained):</b> 68 m/s (150 mph)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 50121-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 <b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk group 2, IS 13252 <b>Environment</b> IEC/EN 60529 IP66/IP68, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC/EN 62262 IK10, MIL-STD-810G (Method 501.5, 502.5, 506.5, 509.5, 521.3), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78 <b>Network</b> NIST SP500-267 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB
<b>Dimensions</b>	210 x 330 x 313 mm (4 5/16 x 13 x 12 5/16 in)
<b>Weight</b>	8.7 kg (19.3 lb)
<b>Included accessories</b>	Installation Guide, Windows <sup>®</sup> decoder 1-user license, IK10 bumper, High PoE Midspan 1–port, RJ45 connector push pull plug
<b>Optional accessories</b>	AXIS T95A64 Corner Bracket AXIS T98A15-VE Media Converter Cabinet A For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

- a. *EIS and privacy masks cannot be used simultaneously.*
- b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

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# AXIS Q6074-E PTZ Network Camera

Outdoor-ready PTZ with HDTV 720p and 30x optical zoom

AXIS Q6074-E PTZ Network Camera offers HDTV 720p and 30x optical zoom for great overviews and excellent details. This high-performance outdoor PTZ camera comes with autotracking 2 with click and track functionality, as well as an orientation aid for active object tracking and quick orientation. With Axis Lightfinder 2.0 the camera delivers low-light images with more saturated colors and sharper images of moving objects. Plus, enhanced security features such as signed firmware and secure boot ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264/ H.265 significantly lowers bandwidth and storage requirements.

- > [HDTV 720p with 30x optical zoom](#)
- > [Axis Lightfinder 2.0](#)
- > [Autotracking 2 and orientation aid](#)
- > [Built-in analytics](#)
- > [TPM, FIPS 140-2 level 2 certified](#)



# AXIS Q6074-E PTZ Network Camera

<b>Models</b>	AXIS Q6074-E 50 Hz AXIS Q6074-E 60 Hz	I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open
<b>Camera</b>		
<b>Image sensor</b>	1/2.8" progressive scan CMOS	
<b>Lens</b>	4.25–127.5 mm, F1.6–4.2 Horizontal field of view: 63.8°–2.6° (720p) Vertical field of view: 38.0°–1.47° (720p) Autofocus, auto-iris	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6 Color: 0.15 lux at 50 IRE, F1.6 B/W: 0.003 lux at 50 IRE, F1.6	
<b>Shutter speed</b>	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 220°, 0.05°–450°/s Zoom: 30x optical, 12x digital, total 360x zoom E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	HDTV 720p 1280x720 to 320x180	
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 720p	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	
<b>Image settings</b>	Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>b</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Event conditions</b>	Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
<b>Event actions</b>	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP MQTT publish	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter, leveling guide	
<b>Analytics</b>		
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
<b>Applications</b>	Included AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper Basic analytics (not to be compared with third-party analytics): object removed, enter/exit detector, object counter Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IP66-, IP67-, NEMA 4X- and IK10-rated Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 14 W, max 51 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included	
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	With 30 W: -20 °C to 50 °C (-4 °F to 122 °F) With 60 W: -50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 EN 50121-4, IEC 62236-4 <b>Safety</b> IEC/EN/UL 60950-1, IS 13252 IEC/EN/UL 60950-22, IEC/EN/UL 62368-1 <b>Environment</b> IEC/EN 60529 IP66/IP67, NEMA TS 2 (2.2.7-2.2.9), IEC 62262 IK10, ISO 4892-2, EN 50121-4, IEC 62236-4, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, NEMA 250 Type 4X <b>Network</b> NIST SP500-267 <b>Midspan:</b> EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR	

<b>Weight</b>	3.75 kg (8.3 lb)
<b>Dimensions</b>	Ø232 x 271 mm (Ø9.13 x 10.7 in)
<b>Included accessories</b>	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	Smoked dome cover AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>

**Languages** English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

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# AXIS V5938 PTZ Network Camera

## Broadcast-quality 4K PTZ camera

AXIS V5938 combines excellent image quality with smooth PTZ control and broadcast-quality audio for professional webcasting. It's compatible with VISCA joysticks and VISCA over IP, making it easy to integrate with your existing AV installations. Offering enhanced security features such as signed firmware and secure boot, it ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264 and H.265 significantly reduces bandwidth and storage requirements without compromising image quality.

- > **UHD 4K at 30 fps and 20x zoom**
- > **Broadcast-quality audio with XLR inputs**
- > **VISCA and VISCA over IP support**
- > **Camstreamer 3-month trial included**
- > **3G-SDI and HDMI outputs**



# AXIS V5938 PTZ Network Camera

<b>Camera</b>		THD+N: < 0.03%
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.5"	Signal-to-Noise ratio: > 85 dB @ 0 dB gain, > 78 dB @ 30 dB gain
<b>Lens</b>	4.4–88 mm, F2.0–3.8 Horizontal field of view: 70.2°–4.1° Vertical field of view: 39.5°–2.3° Autofocus, P-iris control	<b>3.5 mm input</b> Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone Unbalanced line Line input impedance: >10 kOhm Maximum input level: 2.2 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB @ 0 dB gain, > 83 dB @ 30 dB gain
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>3.5 mm output</b> <b>3.5 mm unbalanced stereo output</b> Output impedance: < 100 Ohm, short circuit proof Maximum output level: > 0.707 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate THD+N: < 0.03% @ 10 kOhm load Signal-to-Noise ratio: > 87 dB
<b>Minimum illumination</b>	<b>Color:</b> 0.7 lux at 30 IRE F2.0 1 lux at 50 IRE F2.0 <b>B/W:</b> 0.06 lux at 30 IRE F2.0 0.1 lux at 50 IRE F2.0	<b>SDI output</b> Bandwidth: 20 Hz – 20 kHz (±3 dB) THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB
<b>Shutter speed</b>	1/10000 s to 1 s	<b>HDMI output</b> Bandwidth: 20 Hz – 20 kHz (±3 dB) THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB
<b>Pan/Tilt/Zoom</b>	<b>Pan:</b> ±170°, 0.2–100°/s <b>Tilt:</b> –20° – 90°, 0.2–90°/s <b>Zoom:</b> 20x Optical, 12x Digital, Total 240x 256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed, PTZ response profiles	<b>Network</b>
<b>System on chip (SoC)</b>		<b>Security</b> Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot
<b>Model</b>	ARTPEC-7	<b>Supported protocols</b> IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, SIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf), HDMI, 3G-SDI, VISCA
<b>Memory</b>	2 GB RAM, 512 MB Flash	<b>System integration</b>
<b>Video</b>		<b>Application Programming Interface</b> Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <i>axis.com</i> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, specification at <i>onvif.org</i> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Event conditions</b> Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Call: state, state change Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, live stream open
<b>Resolution</b>	3840x2160 HDTV 2160p to 160x90 <b>HDMI Output:</b> 2160p@25/30 fps (50/60 Hz) 1080p@25/30/50/60 fps (50/60 Hz) 1080i@50/60 fps (50/60 Hz) 720p@50/60 fps (50/60 Hz) 480p@60 fps (60 Hz) <b>SDI Output:</b> 1080p@25/30/50/60 fps (50/60 Hz) 1080p@50/60 fps (50/60 Hz) dual stream 1080i@50/60 fps (50/60 Hz) 720p@50/60 fps (50/60 Hz)	<b>Event actions</b> MQTT publish Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset Overlay text, external output activation, play audio clip, zoom preset, day/night mode, make call
<b>Frame rate</b>	Up to 30/25 fps (60/50 Hz) in 4K Up to 60/50 fps (60/50 Hz) in all other resolutions	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 HDMI HD-SDI: SMPTE 292 3G-SDI: SMPTE 424 ,SMPTE 425 (3G-SDI mapping supports Level A / Level B dual link mapping)	
<b>Image settings</b>	Saturation, brightness, sharpness, noise reduction, rotation: 0°, 180°, WDR – dynamic contrast, white balance, day/night threshold, exposure zones, backlight compensation, defogging, highlight compensation, electronic image stabilization	
<b>Audio</b>		
<b>Audio streaming</b>	Two-way, stereo HD-SDI: SMPTE ST 299-1 3G-SDI: SMPTE ST 299-2	
<b>Audio encoding</b>	SDI: AES3 24 bit, 48 kHz HDMI: LPCM Network: AAC LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz, Configurable bit rate	
<b>XLR input</b>	2 balanced inputs (left/right) Microphone phantom power 48 V Balanced external microphone Balanced line level Line input impedance: >10 kOhm Maximum input level: 4.4 Vrms Bandwidth: 20 Hz – 20 kHz (±3 dB), may be limited by sample rate	



<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter, leveling guide
<b>Analytics</b>	
<b>Applications</b>	<b>Included</b> AXIS Video Motion Detection, AXIS PTZ Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>General</b>	
<b>Casing</b>	ASA plastic cover Color: White NCS S 1002-B
<b>Power</b>	11–13 V DC (12 V power supply included), typical 17.5 W, max 20 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX/1000BASE-T Terminal block for 1 alarm input and 1 output 3.5 mm stereo mic/line in, 3.5 mm stereo line out XLR-3 (left + right) mic/line in (with 48 V phantom power) HDMI Type A, BNC for SDI DC input RS232 serial connector for VISCA
<b>Storage</b>	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Operating conditions</b>	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5 – 95% RH (non-condensing)
<b>Approvals</b>	EMC EN 55032 Class A, EN 55024, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A),

VCCI Class A, RCM AS/NZS CISPR 32 Class A, CISPR 24, CISPR 35, KC KN32 Class A, KC KN35

**Safety**

IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, KC-Markk, IS 13252

**Environment**

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78

**Network**

NIST SP500-267

<b>Dimensions</b>	Height: 180 mm (7.1 in) ø 136 mm (5.4 in)
<b>Weight</b>	1.5 kg (3.3 lb)
<b>Included accessories</b>	Power supply, wall/ceiling mount, terminal connector for I/O, installation guide, Windows® decoder user license, Camstreamer 3-month trial
<b>Optional accessories</b>	AXIS T8310 Video Surveillance Control Board AXIS VISCA Cable For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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# AXIS Q6135-LE PTZ Network Camera

High-speed PTZ with long-range optimizedIR

AXIS Q6135-LE offers HDTV 1080p with 32x optical zoom. It features OptimizedIR up to 250 m (820 ft) or more depending on the scene and Lightfinder 2.0 for clear, sharp images even in challenging light. Sharpdome technology allows you to see 20° above the horizon with the same sharp image quality as below. It includes orientation aid and autotracking 2 with click and track functionality. Privacy masking with mosaic lets you pixelate whole areas of the scene. It includes enhanced security features such as signed firmware, secure boot and TPM module. Plus, Axis Zipstream with support for H.264 and H.265.

- > [HDTV 1080p with 32x optical zoom](#)
- > [OptimizedIR \(250 m/820 ft range\)](#)
- > [Lightfinder 2.0](#)
- > [Autotracking 2 and orientation aid](#)
- > [TPM, FIPS 140-2 level 2 certified](#)



# AXIS Q6135-LE PTZ Network Camera

<b>Models</b>	AXIS Q6135-LE 50 Hz AXIS Q6135-LE 60 Hz	IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready, PTZ autotracking Scheduled and recurring: scheduled event Video: live stream open, day/night mode
<b>Camera</b>		
<b>Image sensor</b>	1/2.8" Progressive scan CMOS	
<b>Lens</b>	Varifocal, 4.3-137.6 mm, F1.4 - 4.0 Horizontal field of view: 58.3°-2.4° Vertical field of view: 34.9°-1.3° Autofocus, auto-iris	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.06 lux at 30 IRE F1.4 B/W: 0.008 lux at 30 IRE F1.4, 0 lux with IR illumination on Color: 0.09 lux at 50 IRE F1.4 B/W: 0.01 lux at 50 IRE F1.4, 0 lux with IR illumination on	
<b>Shutter speed</b>	1/66500 s to 2s	
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°-700°/s Tilt: +20 to -90°, 0.05°-500°/s Zoom: 32x optical, 12x digital, total 384x zoom Nadir flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, speed dry	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	1920x1080p (HDTV 1080p) to 320x180	
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in 1080p	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	
<b>Image settings</b>	Compression, saturation, brightness, sharpness, contrast, local contrast, white balance, exposure control, exposure zones, Forensic WDR: Up to 120 dB depending on scene, defogging, day/night shift level, tone mapping, fine tuning of low-light behavior, rotation: 0°, 180°, text and image overlay, image freeze on PTZ, electronic image stabilization (EIS), scene profiles, 32 individual polygon privacy masks	
<b>Audio</b>		
<b>Audio input/output</b>	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Event conditions</b>	Analytics Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,	
<b>Event actions</b>	Record video: SD card and network share Pre- and post-alarm video or image buffering for recording or upload Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Notification: email, HTTP, HTTPS, TCP, and SNMP trap PTZ: PTZ preset, guard tour Overlay text, day/night mode WDR mode IR illumination MQTT publish	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter, leveling guide	
<b>Analytics</b>		
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
<b>Applications</b>	Included AXIS Object Analytics AXIS Video Motion Detection, Autotracking 2, Active Gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	IK08, IK10 housing and mounting <sup>b</sup> , IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology	
<b>Sustainability</b>	PVC free	
<b>Power</b>	Axis High PoE midspan 1-port: 100-240 V AC, max 74 W Camera consumption: typical 13.5 W (no IR), max 51 W Axis PoE+ midspan 1-port: 100-240 V AC, max 37 W IEEE 802.3at Type 2 Class 4 Camera consumption: typical 13.5 W, max 25 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE RJ45 Push-pull Connector (IP66) Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology	
<b>IR illumination</b>	Optimized IR with power-efficient, long life 850 nm IR LEDs With 30 W midspan: Range of reach 190 m (623 ft) or more depending on the scene With 60 W midspan: Range of reach 250 m (820 ft) or more depending on the scene	
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	With 30 W midspan: -30 °C to 50 °C (-22 °F to 122 °F) With 60 W midspan: -50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10-100% RH (condensing)	
<b>Storage conditions</b>	-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5-95% RH (non-condensing)	
<b>Approvals</b>	EMC EN 55032 Class A, EN 55035, EN 55024, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZSCISPR32 Class A	

	<p>KC KN32 Class A, KN35</p> <p><b>Safety</b> IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk group 2, IS13252</p> <p><b>Environment</b> IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250, Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78, ISO4892-2</p> <p><b>Network</b> NIST SP500-267 For midspan approvals, see: <a href="http://axis.com/products/axis-t8154-60-w-sfp-midspan">axis.com/products/axis-t8154-60-w-sfp-midspan</a></p>
<b>Dimensions</b>	Height: 241 mm (9.5 in) ø 165 mm (6.4 in)
<b>Weight</b>	3 kg (6.6 lb)
<b>Included accessories</b>	IP66-rated RJ45 connector kit, AXIS High PoE 60 W SFP Midspan, installation guide, Windows decoder 1-user licence

<b>Optional accessories</b>	AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
- b. *Mounting not included*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)

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