

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 2 (4300 sq. ft) area with \pm 180° 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







T10098381/EN/M6.4/2102 www.axis.com

AXIS M5055 PTZ Network Camera

Camera			Storage: disruption, recording	
Image sensor	1/4.85" progressive scan RGB CMOS		System: system ready Time: recurrence, use schedule	
Lens	Varifocal. 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus	Event actions	Record video: SD card, network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share, email PTZ control: preset position	
Minimum illumination	Color: 1.2 lux at 30 IRE F1.4		Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text	
Shutter speed	1/16000 s to 1 s		Status LED	
Pan/Tilt/Zoom	Pan: ±179°, 100°/s	Data streaming	Event data	
	Tilt: 90°, 100°/s Zoom: 5x optical, 10x digital 25 preset positions, control queue, on-screen directional	Built-in installation aids	Pixel counter	
	indicator	General	IRE1 rated plactic pasing place dama	
Video		Casing	IP51-rated plastic casing, clear dome	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG	Sustainability	PVC free	
Resolution		Memory	512 MB RAM, 256 MB Flash	
Frame rate	1920x1080 to 320x180 (16:9)	Power	Power over Ethernet 802.3af/802.3at Type 1 Class 3 Typical 4.6 W, max 7.8 W	
	Up to 25/30 fps (50/60 Hz) in all resolutions	Connectors	RJ45 10BASE-T/100BASE-TX PoE	
Video streaming	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	Storage	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 www.axis.com	
Image settings	Resolution, compression, rotation: 0°, 180°, text and image overlay, color, brightness, sharpness, white balance, wide dynamic range, exposure control, exposure time, gain, exposure	Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)	
	zones, exposure priority, image freeze on PTZ, privacy masks	Storage conditions	-30 °C to 60 °C (-22 °F to 140 °F)	
Audio	0	Approvals	EMC	
Audio streaming Audio encoding	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz		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, ICES-003 Class A, VCCI Class A, ICES-003 Class A, VCCI Class A, ICES-003	
A. die int	Configurable bit rate		RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN-35 Safety	
Audio input	Built-in microphone		IEC/EN/UL 62368-1	
Network	Password protection, IP address filtering, HTTPS ^a encryption,		Environment IEC/EN 60529 IP51	
Security	IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management	Dimensions	Ø130 x 63 mm (Ø5.1 x 2.5 in)	
		Weight	375 q (0.8 lb)	
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP,	Included accessories	AXIS M50 Mounting Kit, Installation Guide, Windows decoder 1-user license	
System integro	DHCP, ARP, SOCKS, SSH, Z-Wave Plus® HC4 and HC8b	Optional accessories	AXIS M50 Clear Dome Cover A For more accessories, see axis.com	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com	Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms	
	AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile S and ONVIF® Profile G, specification at onvif.org	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
Analytics	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 www.axis.com/acap	 Warranty 5-year warranty, see axis.com/warranty a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@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 mo information on the supported command classes, see the product's User Manual. 		
Event triggers	Applications Detectors: live stream accessed Hardware: network Input signal: manual trigger virtual inputs	information on the supported command classes, see the product's User Manual. Environmental responsibility:		

axis.com/environmental-responsibility



For more information please contact:

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Input signal: manual trigger, virtual inputs PTZ: moving, preset reached, ready



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 Then	mai nett	work Camera
Models	AXIS Q8641-E 35 mm 30 fps 24 V AXIS Q8641-E 35 mm 8.3 fps 24 V	Casing	IP66– and NEMA 4X-rated pov Color: white NCS S 1002–B Front window: germanium
Camera Image sensor	Uncooled Micro bolometer 384x288, pixel size: 17 µm		Sunshield: high-impact UV-sta
illiage selisoi	Spectral range: 8-14 µm	Sustainability	PVC free
Lens	Athermalized	Memory	512 MB RAM, 256 MB Flash
Sensitivity	Horizontal field of view: 10.7° view, F1.2 NETD < 70 mK	Power	24 V AC/DC Typical 16 W, max 182 W
Pan/Tilt	Pan: 360° endless, 0.05°-120°/s Tilt: -90 to +45°, 0.05°-60°/s.		Power loss recovery ^d , TVS 2 kV I/O connector Output power 12 V DC, max lo
	Jerk-free movements at low speed: σ < 0.01°/s (at 0.05°/s) De-icing control ^a Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing ^b	Connectors	SFP slot (SFP module not inclu RJ45 10BASE-T/100BASE-TX/1 Power connector I/O connector: 6-pin terminal inputs/outputs
Video		Storage	Support for microSD/microSDH
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Storage	Support for SD card encryption Recording to network-attache
Resolution	Sensor is 384x288. Image can be scaled up to 768x576.		For SD card and NAS recomme
Frame rate Video streaming	Up to 8.3 fps and 30 fps 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	Operating conditions Storage	-40 °C to 60 °C (-40 °F to 144 Humidity 10–100% RH (conde Wind load when PT operation 47 m/s (106 mph). Maximum effective projected a -40 °C to 65 °C (-40 °F to 145
Image settings	· · ·		EMC
Network Security	Password protection, IP address filtering, HTTPS ^c encryption, network fail-over link ^e , IEEE 802.1x (EAP-TLS) ^c network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	EN 55032 Class A, EN 5503 EN 61000-3-2, EN 61000-3 VCCI Class A ITE, ICES-003 I EN 50121-4, IEC 62236-4 Safety IEC/EN/UL 62368-1, IEC/EN Environment	
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^C , SSL/TLS ^C , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTCIP, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT	Dimensions	IEC/EN 60529 IP66, NEMA 25 IEC 60068-2-2, IEC 60068-2- Network NIST SP500-267
	v3.1.1	Dimensions	557 x 229 x 289 mm (22 x 9 x
System integra		Weight Included	12 kg (26.5 lb) Installation quide, Windows® d
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> One-click cloud connection ONVIF® Profile S, specification at <i>onvif.org</i>	accessories Optional	Power connector, I/O connector AXIS T94J01A Wall Mount, AXIS T95A64 Corner
Event triggers	Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs	accessories	AXIS Cable 24 V DC/24-240 V LC.LX, AXIS T8612 SFP Module 1000BASE-T For more accessories, see <i>axis</i> .
	PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	Video management software	AXIS Companion, AXIS Camera software from Axis' Applicatio at axis.com/vms
Event actions	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay	Languages	English, German, French, Span Chinese, Japanese, Korean, Por
	text PTZ control: preset position, guard tour File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email	Export control	5-year warranty, see axis.com, This product is subject to expose should always consult and con appropriate local export contro
Data streaming	Event data	a Internal heaters	
Built-in Pixel counter installation aids		a. Internal heaters to defrost ice build-up. Autor HTTP API (VAPIX) for positioning unit. b. Pan and tilt motors actively compensate for c by external forces such as high winds. This all	
Analytics Applications	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	of low wind. c. This product includes software developed by the OpenSSL Toolkit. (openssl.org), and cryptographic (eay@cryptsoft.com). d. IP data and home position retained, and quard to e. If a network link is established via both the SFPs former acts as the primary link and the latter as tf. When using the 22 m (72 ft) AXIS Cable 24 V Openseloper Capable of delivering 220 W is required to comper	
		Environmental resp	onsihility:

General

Casing	IP66– and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002–B Front window: germanium
6 () 1334	Sunshield: high-impact UV-stabilized thermoplastic
Sustainability	PVC free
Memory	512 MB RAM, 256 MB Flash
Power	24 V AC/DC Typical 16 W, max 182 W Power loss recovery ^d , TVS 2 kV surge protection I/O connector Output power 12 V DC, max load 50 mA
Connectors	SFP slot (SFP module not included) ^e RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector ^e Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
Storage	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 axis.com
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing) Wind load when PT operational 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m ²
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	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 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1,
	IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 Network NIST SP500-267
Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)
Weight	12 kg (26.5 lb)
Included accessories	Installation guide, Windows® decoder 1–user license Power connector, I/O connector, Torx® bits T20 and T30
Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24-240 V AC 22 mf, AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty
Export control	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.

- a. Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.
 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.
 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).
 d. IP data and home position retained, and guard tour and other events resumed.
 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.

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axis.com/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 Q.60-E PTZ Network Camera
- > Autopilot included









AXIS Q6010-E Network Camera

Models	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	
Camera			Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input	
Supported products	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		MQTT subscribe PTZ: PTZ ready Scheduled and recurring: scheduled event Video: day-night mode, live stream open, tampering	
	AXIS Q6074-E PTZ Network Camera AXIS Q6075-E PTZ Network Camera AXIS Q6078-E PTZ Camera	Event actions	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	
Image sensor	4 x 5 MP progressive scan RGB CMOS 1/2.5"		upload	
Lens	Autofocus lenses, Fixed iris, F2.0, Focal length: 2.8 mm Horizontal field of view: 360° Vertical field of view: 84°		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset Overlay text, day/night mode, Status LED, WDR mode MQTT publish	
Day and night	Automatically removable infrared-cut filter	Data streaming	Event data	
Minimum illumination	Color: 0.4 lux at 50 IRE, F2.0 B/W: 0.03 lux at 50 IRE, F2.0	Built-in installation aids	Installation focus, lens selection, positioning calibration, ptz remote connection.	
Shutter speed	1/32500 to 1/20 s	General		
Camera angle adjustment	Pan, tilt and rotate	Casing	IP66-, NEMA 4X- and IK10-rated Polycarbonate dome	
Pan/Tilt/Zoom	One-click PTZ control		Aluminum casing	
System on chip		Sustainability	PVC free	
Model	S5	Power	Power consumption without PTZ: PoE typical 9 W, max 22 W	
Memory	2048 MB RAM, 512 MB Flash	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE	
Video Video	H.264 (MPEG-4 Part 10/AVC), Main and High Profiles		RJ45 10BASE-T/100BASE-TX/1000BASE-T Q60-E port	
compression	H.265 (MPEG-H Part 2/HEVC), Main Profile 4 x 2592x1944 to 320x240	Storage	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit)	
nesolución	Default: 2592x1944		Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Frame rate	Up to 20 fps (50/60 Hz) in all resolutions	Operating	-50 °C to 50 °C (-58 °F to 122 °F) with AXIS Camera Heater Ki	
Video streaming	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	conditions	-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)	
Image settings	Resolution, compression, saturation, brightness, sharpness, contrast, white balance, exposure level, exposure mode, shutter & gain fine tuning of behavior at normal and low light, polygon privacy masks (maximum 8 per channel), WDR, dynamic text	Storage conditions Approvals	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	
	and image overlay		EAC, EN 55032 Class A, EN 55035, EN 50121-4, IEC 62236-4,	
Network	Descripted protection ID address filtering LITTES are notice		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,	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		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	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP*, 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)		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	
System integra		Dimensions	ø 395 mm (15.6 in)	
Application Programming	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com		Height: 201 mm (7.9 in)	
Interface	One-click cloud connection	Weight	4.5 kg (9.1 lb)) excluding an AXIS Q60-E PTZ Network Camera	
	ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at <i>onvif.org</i>	Included accessories	Q60-E adapter, Bayonet screws, Installation guide, Windows® decoder 1-user license	
Analytics	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Autopilot, AXIS Video Motion Detection, active tampering alarm, edge storage events Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Optional accessories	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 axis.com	
Event conditions	Analytics, edge storage events, virtual inputs through API Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms	

www.cxis.com T10149176/EN/M21.2/2111

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

Warranty 5-year warranty, see axis.com/warranty

Environmental responsibility: axis.com/environmental-responsibility

Warranty 5-year warranty, see 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).

For more information please contact:

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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			Output impedance: < 100 Ohm, short circuit proof
Image sensor	Progressive scan RGB CMOS 1/2.8"		Maximum output level: > 0.707 Vrms
Lens	4.4–132 mm, F1.4–4.6		Bandwidth: 20 Hz - 20 kHz (±3 dB), may be limited by sample rate
	Horizontal field of view: 62°-2.3° Vertical field of view: 37°-1.3°		THD+N: < 0.03% @ 10 kOhm load
	Autofocus, P-iris control	SDI autnut	Signal-to-Noise ratio: > 87 dB
Day and night	Automatically removable infrared-cut filter	SDI output	Bandwidth: 20 Hz - 20 kHz (±3 dB) THD+N: < 0.03%
Minimum	Color: 1.0 lux at 30 IRE F1.4		Signal-to-Noise ratio: > 87 dB
illumination	B/W: 0.03 lux at 30 IRE F1.4	HDMI output	Bandwidth: 20 Hz - 20 kHz (±3 dB)
Shutter speed	1/10000 s to 1 s		THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB
Pan/Tilt/Zoom	Pan: ±170°, 0.2-100°/s Tilt: -20° - 90°, 0.2-90°/s	Network	
	Zoom: 30x Optical, 12x Digital, Total 360x	Security	Password protection, IP address filtering, HTTPS ^a encryption,
	256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed, PTZ response profiles		IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate
System on chip			management, brute force delay protection, signed firmware,
Model	ARTPEC-7		secure boot
Memory	1 GB RAM, 512 MB Flash	Supported protocols	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer
Video		protocois	3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMF v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP,
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles		TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS,
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG		SSH, SIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf), HDMI, 3G-SDI, VISCA
Resolution	1920x1080 HDTV 1080p to 160x90	System integra	
resolution	HDMI/SDI Output:	Application	Open API for software integration, including VAPIX® and
	1080p@50/60 fps (50/60 Hz)	Programming	AXIS Camera Application Platform; specifications at axis.com
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions	Interface	One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S,
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG		specification at onvif.org
	Axis Zipstream technology in H.264 and H.265		Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265		SIP/PBX.
	HDMI	Event conditions	Analytics, external input, edge storage events, virtual inputs
	HD-SDI: SMPTE 292		through API Audio: audio detection
	3G-SDI: SMPTE 424 ,SMPTE 425 (3G-SDI mapping supports Level A / Level B dual link mapping)		Call: state, state change
Image settings	Saturation, brightness, sharpness, white balance, day/night		Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure
	threshold, exposure mode, exposure zones, defogging, rotation:		IP address removed, network lost, new IP address, storage failure
A. dia	0°, 180°		system ready, within operating temperature Edge storage: recording ongoing, storage disruption
Audio Audio streaming	Two-way, stereo		I/O: digital input, manual trigger, virtual input
ruuro sercanning	HD-SDI: SMPTE ST 299-1		MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position
	3G-SDI: SMPTE ST 299-2		reached, PTZ ready
Audio encoding	SDI: AES3 24 bit, 48 kHz HDMI: LPCM		Scheduled and recurring: scheduled event Video: average bitrate degradation, live stream open
	Network: AAC LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz,	Event actions	MQTT publish
	G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz, Configurable bit rate		Record video: SD card and network share
XLR input			Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network
			share and email
	2 balanced inputs (left/right) Microphone phantom power 48 V		share and email Pre- and post-alarm video or image buffering for recording or
	Microphone phantom power 48 V Balanced external microphone		Pre- and post-alarm video or image buffering for recording or upload
	Microphone phantom power 48 V Balanced external microphone Balanced line level Line input impedance: >10 kOhm		Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset
	Microphone phantom power 48 V Balanced external microphone Balanced line level Line input impedance: >10 kOhm Maximum input level: 4.4 Vrms		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
	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	Data streaming	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
	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%	Data streaming Built-in	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 Event data
	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	Built-in installation aids	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
3.5 mm input	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 Microphone Power 5 V via 2.2 kOhm	Built-in	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 Event data
3.5 mm input	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 Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone	Built-in installation aids	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 Event data Pixel counter, leveling guide Included
3.5 mm input	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 Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone Unbalanced line Line input impedance: >10 kOhm	Built-in installation aids Analytics	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 Event data Pixel counter, leveling guide
3.5 mm input	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 Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone Unbalanced line Line input impedance: >10 kOhm Maximum input level: 2.2 Vrms	Built-in installation aids Analytics	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 Event data Pixel counter, leveling guide Included AXIS Video Motion Detection, AXIS PTZ Autotracking
3.5 mm input	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 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	Built-in installation aids Analytics Applications General	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 Event data Pixel counter, leveling guide Included AXIS Video Motion Detection, AXIS PTZ Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
3.5 mm input	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 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%	Built-in installation aids Analytics Applications	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 Event data Pixel counter, leveling guide Included AXIS Video Motion Detection, AXIS PTZ Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap ASA plastic cover
3.5 mm input	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 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	Built-in installation aids Analytics Applications General	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 Event data Pixel counter, leveling guide Included AXIS Video Motion Detection, AXIS PTZ Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

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	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
Storage	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 <i>axis.com</i>
Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5 – 95% RH (non-condensing)
Approvals	EMC 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 Cla

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

For more information please contact:



BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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

Models	AXIS Q6128-E 50 Hz		Video: live stream open
Q	AXIS Q6128-E 60 Hz	Event actions	Record video: SD card and network share
Camera Image sensor	1/2.3" Progressive scan CMOS		Pre- and post-alarm video or image buffering for recording or upload
Lens	7,2.5 Frights Filed Chilos 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*		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
	Autofocus, auto-iris		Overlay text, day/night mode
Day and night	Automatically removable infrared-cut filter	Data streaming	Event data
Minimum illumination	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	Built-in installation aids	Focus assistant, pixel counter
	B/W: 0.05 lux at 50 IRE, F1.8	Analytics	Included
Shutter speed	1/10000 s to 1 s	Applications	Included AXIS Video Motion Detection
Pan/Tilt/Zoom	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,		Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
	control queue, on-screen directional indicator, set new pan 0°,	General	IVOO IVAO haaring and manusing b IDCC and NEMA AV mated
Video	adjustable zoom speed, speed dry	Casing	IKO8, IK10 housing and mounting ^b , IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), Polycarbonate (PC) clear dome with Sharpdome technology
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Sustainability	PVC free
Resolution	3840x2160 UltraHD 4K to 640x360	Memory	1 GB RAM, 256 MB Flash
Frame rate	Up to 50/60 fps (50/60Hz) @1080p Up to 25/30 fps (50/60Hz) @4K	Power	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
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth		IEEE 802.3at Type 2 Class 4 Camera consumption: typical 14 W, max 25 W
	VBR/MBR H.264	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66)
Image settings	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	Storage	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 axis.com
	Highlight compensation 24 individual 3D privacy masks	Operating conditions	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) Action Towns of the Control of State of the Control of the Contr
Network Security	Password protection, IP address filtering, HTTPS ^a encryption,		Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)
,	IEEE 802.1x (EAP-TLS) ^a network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware	Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5-95% RH (non-condensing)
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , HTTP/2, SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SMMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, MQTT, Syslog	Approvals	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
System integro Application			IEC/EN/UL 60950-1, IEC/EN/UL 60950-22
Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G and ONVIF® Profile S, specifications at onvif.org		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, IS04892-2 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AI
Event triggers	Detectors: live stream accessed, motion detection, shock detection Hardware: network, temperature		Network NIST SP500-267
	Input Signal: manual trigger, virtual inputs PTZ: autotracking, error, moving, preset reached, ready Storage: disruption, recording System: system ready	Dimensions	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)
Et 99	Time: recurrence, use schedule	Weight	3.0 kg (6.5 lb)
Event conditions	Analytics, external input, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below	Included accessories	IP66-rated RJ45 connector kit, High PoE Midspan 1-port, installation guide, Windows decoder 1-user license
	operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected,	Optional accessories	AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see axis.com
	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	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/vms
	reached, PTZ ready Scheduled and recurring: scheduled event		

T10059485/EN/M13.4/2102 www.axis.com

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

Warranty 5-year warranty, see 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).
 b. Mounting not included

Environmental responsibility: axis.com/environmental-responsibility

For more information please contact:



BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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

Camera		Event conditions	Audio: Audio detection	
Image sensor 1/2.8" progressive scan RGB CMOS		Event conditions	Device status: Above operating temperature, Above or below	
Lens	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		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 1/O: Digital input, Manual trigger, Virtual input	
Day and night	Automatically removable infrared-cut filter		MQTT subscribe	
Minimum illumination	Color: 0.1 lux at 30 IRE F1.4 B/W: 0.01 lux at 30 IRE F1.4		PTZ: PTZ malfunctioning, PTZ movement: Camera 1, PTZ preset position reached: Camera 1, PTZ ready Scheduled and recurring: Scheduled event	
Shutter speed	1/66500 s to 2 s		Video: Day-night mode, Live stream open	
Pan/Tilt/Zoom	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	Event actions	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	
System on chip	o (SoC)	Data streaming	Event data	
Model	ARTPEC-7	Built-in	Pixel counter	
Memory	1024 MB RAM, 512 MB Flash	installation aids		
Compute	Machine learning processing unit (MLPU)	Analytics	Object electron homeon cohister	
capabilities		AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area	
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	,	Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration	
Resolution	1920x1080 HDTV 1080p to 320x180		ONVIF Motion Alarm event	
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions	Applications	Included AXIS Object Analytics	
Video streaming	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		AXIS Video Motion Detection, audio detection, advanced gatekeeper, autotracker 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Image settings	Compression, saturation, brightness, sharpness, contrast, local	General Casing	IDCC NEMA AV and IV10 rated	
	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		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. PVC free	
N dia	individual polygon privacy masks	Sustainability Power	Axis PoE+ midspan 1-port: 100-240 V AC, max 37 W	
Audio Audio streaming	Two-way, full duplex	rowei	IEEE 802.3at, Type 2 Class 4	
Audio encoding	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		Camera consumption: typical 10.5 W, max 19 W Multiconnector: 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)	
Audio input/output	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	Connectors	RJ45 10BASE-T/100BASE-TX PoE RJ45 push-pull connector (IP66) included	
Network			I/O connector for DC or AC input, 4 configurable alarm Inputs/outputs: mic in/line in, line out (Axis 10-pin push-pull	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate		system connector or Axis multicable C I/O audio power 1 m/5 m, (not included))	
Supported	management, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a ,	Storage	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS)	
protocols			For SD card and NAS recommendations see axis.com -30 °C to 50 °C (-22 °F to 122 °F) Maximum intermittent temperature 55 °C Humidity 10–100% RH (condensing)	
Sustan into	address (ZeroConf)	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	
System integro	Open API for software integration, including VAPIX® and		Humidity 5–95% RH (non-condensing) EMC	
Application Programming Interface	AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org	Approvals	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 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252	

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	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, EC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262, IK10, NEMA 250 Type 4X Network NIST SP500-267, IPv6 USGv6
Dimensions	Height: 217 mm (8.54 in) ø 188 mm (7.4 in)
Weight	2.5 kg (5.5 lb)
Included accessories	RJ45 Push-pull Connector (IP66), hard ceiling mount, spring pipe adaptor, U-profile pipe adaptor, installation guide, Windows® decoder 1-user license
Optional accessories	AXIS T91B mounts, AXIS T94A02L recessed mount, outdoor R145 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
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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



For more information please contact:

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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
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Models	AXIS Q6100-E 50 Hz AXIS Q6100-E 60 Hz	Frank	Video: day-night mode, live stream open, tampering
Camera		Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network
Supported	AXIS Q61-E PTZ Network Cameras		share and email
products	AXIS Q63-E PTZ Network Cameras		Pre- and post-alarm video or image buffering for recording or upload
lmage sensor	4 x 5 MP progressive scan RGB CMOS 1/2.5"		Notification: email, HTTP, HTTPS, TCP and SNMP trap
Lens	Autofocus lenses, Fixed iris, F2.0, Focal length: 2.8 mm Horizontal field of view: 360° Vertical field of view: 84°		PTZ: PTZ preset Overlay text, day/night mode, Status LED, WDR mode MQTT publish
Day and night	Automatically removable infrared-cut filter	Data streaming	Event data
Minimum Illumination	Color: 0.4 lux at 50 IRE, F2.0 B/W: 0.03 lux at 50 IRE, F2.0	Built-in installation aids	Installation focus, lens selection, positioning calibration, PTZ remote connection
Shutter speed	1/32500 to 1/20 s	General	
Camera angle adjustment	Pan, tilt and rotate	Casing	IP66-, NEMA 4X- and IK10-rated Polycarbonate hardcoated dome Aluminum casing
Pan/Tilt/Zoom	One-click PTZ control	Sustainability	PVC free
system on chip	o (SoC)	Power	Power consumption without PTZ: PoE typical 9 W, max 23 W
Model	S5	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE
Memory	2048 MB RAM, 512 MB Flash		RJ45 10BASE-T/100BASE-TX/1000BASE-T Q61-E port
Video		Storage	Support for SD/SDHC/SDXC card and encryption
Video compression	H.264 (MPEG-4 Part 10/AVC), Main and High Profiles H.265 (MPEG-H Part 2/HEVC), Main Profile		Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Resolution	4 x 2592x1944 to 320x240 Default: 2592x1944	Operating conditions	-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)
Frame rate	Up to 20 fps (50/60 Hz) in all resolutions		Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C
Video streaming	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		(165 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing)
mage settings	Resolution, compression, saturation, brightness, sharpness, contrast, white balance, exposure level, exposure mode, shutter	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
	Et gain fine tuning of behavior at normal and low light, polygon privacy masks (maximum 8 per channel), WDR, dynamic text and image overlay	Approvals	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
Network			RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KN35
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection		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
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , Oos Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^a , SNMP v1/v2e/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		IEC 60068-2-27, IEC 60068-2-27, IEC 60068-2-14, IEC 60068-2-14, IEC 60068-2-17, IEC 60068-2-17
	(ZeroConf)	Dimensions	ø 361 mm (14.2 in) Height: 192 mm (7.6 in)
System integra Application	Open API for software integration, including VAPIX® and	Weight	4.0 kg (8.8 lb)) excluding an AXIS Q61-E PTZ Network Camera or AXIS Q63-E PTZ Network Camera
Programming Interface	AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T,	Included accessories	AXIS Q61-E and AXIS Q63-E adapter, bayonet screws, installation guide, Windows® decoder 1-user license
Analytics	specification at <i>onvif.org</i> Included	Required accessories	AXIS Camera Heater Power Supply is required when AXIS Q6315-LE is used.
	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 axis.com/acap	Optional accessories	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 axis.com
Event conditions	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,	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
	system ready, within operating temperature Edge storage: recording ongoing, storage disruption	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chines
	I/O: manual trigger, virtual input MQTT subscribe	Warranty	5-year warranty, see axis.com/warranty
	PTZ: PTZ ready		udes software developed by the OpenSSL Project for use in the
	Scheduled and recurring: scheduled event		(openssl.org), and cryptographic software written by Eric Your

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Environmental responsibility:

axis.com/environmental-responsibility

For more information please contact:



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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
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Models	AXIS Q8752-E 35 mm 8.3/30 fps		Configurable bit rate	
~	AXIS Q8752-E Zoom 8.3/30 fps	Audio	External microphone input or line input	
Camera	Visuals 1/2 01 and provide access CMOS	input/output		
Image sensor Lens	Visual: 1/2.8" progressive scan CMOS Thermal: Uncooled microbolometer 640x480 pixels, pixel size: 17 µm. Spectral range: 8–14 µm Visual: 1/2.8" progressive scan CMOS Wisual: 1/2.8" progressive sca	Network Security	Password protection, IP address filtering, HTTPS ^c encryption, IEEE 802.1x (EAP-TLS) ^c network access control, digest authentication, user access log, centralized certificate	
Lens	Visual: 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		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	
	Thermal: 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°	Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^c , HTTP/2, TLS ^c , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour) UPnP*, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTS, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	
	Zoom: Athermalized 35–105 mm, F1.6	System integro	rtion	
	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°	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org	
Day and night	Visual: Automatically removable infrared-cut filter	Event conditions	Device status: above operating temperature, above or below	
Minimum illumination	Visual: 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		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	
Sensitivity	Thermal: NETD < 50 mK		I/O: digital input, manual trigger, virtual input MQTT subscribe	
Shutter speed	Visual: 1/66500 s to 2 s		PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position	
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°-120°/s Tilt: -90° to +45°, 0.05°-65°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) Preset accuracy: 0.05°		reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, ive stream open, tampering	
	256 preset positions, guard tour, control queue, focus window, on-screen directional indicator, de-icing control ^a , dynamic load balancing ^b Visual: 32x optical zoom, 12x digital zoom, total 384x zoom, focus recall Thermal: Zoom: 3x thermal zoom and 4x digital zoom, total 12x zoom	Event actions	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	
System on chip	o (SoC)		Overlay text, external output activation, wiper sequence, washer sequence, zoom preset, day/night mode	
Model	ARTPEC-7		MQTT publish	
Video		Data streaming	Event data	
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	Built-in installation aids	Pixel counter, focus assistant	
Resolution	Visual: 1920x1080 HDTV 1080p to 320x180	Analytics		
Fuerra veta	Thermal: Sensor is 640x480. Image can be scaled up to 800x600 (SVGA)	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, Orientation AID PTZ, audio	
Frame rate Video streaming	Visual: Up to 50/60 fps (50/60 Hz) in HDTV 1080p Thermal: Up to 8.3 fps and 30 fps Multiple, individually configurable streams in H.264, H.265 and		detection, advanced gatekeeper Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
viaco su caming	Motion JPEG	General		
	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Casing	IP66-, NEMA 4X- and IK10-rated ^g powder coated aluminum Color: white NCS S 1002-B Front window: visual: glass, thermal: germanium	
Image settings	Visual: Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night		Long-life silicone wiper Weathershield: high-impact UV-stabilized thermoplastic	
	threshold, tone mapping, exposure control, exposure zones,	Sustainability	PVC free	
	defogging, compression, dynamic text and image overlay, 32 individual polygon privacy masks, electronic image stabilization	Memory	2048 MB RAM, 512 MB Flash	
	Thermal: Compression, brightness, sharpness, contrast, local contrast, exposure control, exposure zones, text and image overlay, electronic image stabilization	Power	20–28 V AC/DC, typical 16 W, max 204 W Power loss recovery ^d TVS 2000V, surge protection, voltage transient protection	
Audio			I/O connector: output power 12 V DC, max load 50 mA	
Audio streaming	Echo cancellation and noise cancellation	Connectors	SFP slot (SFP module not included) ^e Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T I/O: 6-pin 2.5 mm terminal block for 4 configurable	
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz		inputs/outputs Power: terminal block	

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	Audio (in camera unit): 3.5 mm mic/line in Illumination (in upper part of positioning unit)
Storage	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-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) Wind load when PTZ operational 37 m/s (83 mph) ^f , 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 ²
Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F)
Approvals	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-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 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, CAN/CSA C22.2 No. 62368-1, CAN/CSA-C22.2 No. 60950-22 Environment IEC/EN 60529 IP66, IEC 62262 IK10 ⁹ , 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) Network NIST SP500-267
Dimensions	244 x 360 x 582 mm (9.5 x 14 x 23 in)
Weight	35 mm: 14.7 kg (32.4 lb) Zoom: 15.1 kg (33.3 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, connector kit, Torx® T20 bit, Torx® T30 bit, connector guard

Optional accessories	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 mh, AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.LX, AXIS T8612 SFP Module 1000BASE-T, AXIS FT 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 axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at 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
Export control	The product contains U.Sorigin controlled technology/component, 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), and cryptographic software written by Eric Young (eay@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 RI₄5 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

For more information please contact:

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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

Models	AXIS Q8685-LE 20-28 V AC/DC		Time: recurrence, use schedule
Camera		Event actions	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, external output activation,
Lens	1/2.8" progressive scan CMOS 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		washer sequence PTZ control: preset position, guard tour, autotracking File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email
Day and night	Automatic switching from infrared-cut filter to infrared pass filter in night mode	Data streaming	Event data
Minimum	Color: 0.2 lux at 30 IRE F1.6	Built-in installation aids	Pixel counter
illumination	B/W: 0.01 lux at 30 IRE F1.6 Color: 0.25 lux at 50 IRE F1.6	General	
	B/W: 0.02 lux at 50 IRE F1.6 B/W: 0 lux with IR illumination	Casing	IP66-, and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: tempered glass with anti-reflective coating
Shutter speed	1/66500 to 2 s		Long-life silicone wiper
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°/s to 120°/s Tilt (default): -90° to +45°,	Sustainability	Sunshield: high-impact UV-stabilized thermoplastic PVC free
	Tilt (inverted ^a): -45° to +90° Tilt speed: 0.05°/s to 60°/s	Memory	512 MB RAM, 256 MB Flash
	Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s)	Power	20-28 V AC/DC
Video	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 ^b , dynamic load balancing ^c		Typical: 16 W (without illumination), 64 W (with illumination) Max: 204 W (without illumination), 300 W (with illumination) Power loss recovery TVS 2 kV surge protection I/O connector Output voltage: 12 V DC
Video compression	H.264 (MPEG-4 Part 10/AVC), Baseline, Main and High Profiles Motion JPEG	Connectors	Max load: 50 mA SFP slot (SFP module not included) ^f
Resolution	1920x1080 (HDTV 1080p) to 320×180	Connectors	RJ45 10BASE-T/100BASE-TX network connector ^f
Frame rate	Up to 25/30 fps (50/60 Hz) in 1080p Up to 50/60 fps (50/60 Hz) in 720p		Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
Video streaming	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	IR illumination	Distance Without diverging lenses 10° x 10°: 500 m (1640 ft) With diverging lenses 35° x 10°: 240 m (787 ft) ⁹ With diverging lenses 60° x 25°: 135 m (443 ft) With diverging lenses 80° x 30°: 100 m (328 ft)
Image settings	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,		With diverging lenses 120° x 50°: 65 m (213 ft) ^h Power: 96 W Wavelength: 850 nm Illumination intensity adjustable during installation Illumination synchronized with day/night mode
N	image freeze on PTZ, electronic image stabilization	Storage	Support for SD/SDHC/SDXC card Support for SD card encryption
Network Security	Password protection, IP address filtering, HTTPS ^d encryption,		Support for recording to network-attached storage (NAS)
Jeeu,	network failover mode ^f , IEEE 802.1X ^d network access control, digest authentication, user access log, centralized certificate management	Operating conditions	For SD card and NAS recommendations see www.axis.com Normal: -50 °C to 55 °C (-58 °F to 131 °F) Maximum (intermittent): 65 °C (149 °F)
Supported protocols	IPv4/v6, HTTP, HTTPS ^d , SSL/TLS ^d , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , 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		Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity 10–100% RH (condensing) Wind load when PTZ operational 52 m/s (117 mph), without sunshield 60 m/s (135 mph) ⁱ Maximum effective projected area (EPA): 0.164 m ²
System integro		Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Application Programming	Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at	conditions	FNAC
Interface	www.axis.com ONVIF® Profile S and ONVIF® Profile G, specification at www.onvif.org	Approvals	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,
Analytics	Included AXIS Video Motion Detection, Shock Detection, Advanced Gatekeeper Supported AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap		KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 60598-1, IEC/EN 62471 (risk group 2), IS 13252 Environment IEC/EN 60529 IP66, IEC 62262 IK10 ^j , NEMA 250 Type 4x, ISO 4892-2, IEC 60068-2-6, IEC 60068-2-27
Event triggers	Detectors: live stream accessed, video motion detection, shock detection, day/night mode Hardware: network, temperature	Dimensions	495 x 411 x 580 mm (19 x 16 x 23 in) ^k Maximum height with 45° tilt upwards: 680 mm (27 in) Maximum width/depth with 360° pan clearance: 633 mm (25 in
	Input signal: digital input, manual trigger, virtual inputs PTZ: autotracking, moving, preset reached, ready	Weight	18.4 kg (41 lb) ^k
	Storage: disruption, recording	Included	Installation Guide
	System: system ready	accessories	Windows decoder 1-user license

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	AXIS PT IR Illuminator Kit C Power connector, I/O connector Torx® bits T20 and T30
Optional accessories	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 ^I AXIS T8611 SFP Module LC.LX AXIS T8612 SFP Module LC.SX AXIS T8613 SFP Module LC.SX AXIS T8613 SFP Module 1000BASE-T Power supply DIN PS24 480 W For more accessories, see www.axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

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).

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), and cryptographic software written by Eric Young (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. 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

For more information please contact:



BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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







Models	AXIS P5654-E 50 Hz AXIS P5654-E 60 Hz		Scheduled and recurring: Scheduled event Video: Day-night mode, Live stream open
Camera		Event actions	Day-night mode, go to preset position, guard tour, upload of
Image sensor Lens	1/2.8" progressive scan RGB CMOS Varifocal, 4.0-84.6 mm, F1.6 - 4.5 Horizontal field of view: 77.0°- 3.6°		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
	Vertical field of view: 43.1° - 2.0°		network share, WDR mode
	Autofocus and auto-iris	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Pixel counter
Minimum illumination	Color: 0.11 lux at 50 IRE F1.6 Color: 0.1 lux at 30 IRE F1.6	Analytics	
mummacion	B/W: 0.03 lux at 50 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area
Shutter speed	1/66500 s to 2 s		Up to 10 scenarios Metadata visualized with color-coded bounding boxes
Pan/Tilt/Zoom	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 quard tour, control queue,		Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
	on-screen directional indicator, set new pan 0°, focus window, focus recall	Applications	Included AXIS Object Analytics AXIS Video Motion Detection, advanced gatekeeper, autotracker
System on chir Model	ARTPEC-7		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Memory	1024 MB RAM, 512 MB Flash	General	IDOO NEMA AV. 1999
Compute capabilities	Machine learning processing unit (MLPU)	Casing	IP66-, NEMA 4X- and IK10-rated Aluminum casing, polycarbonate (PC) dome Color: white NCS S 1002-B, repaintable skin cover
Video Video	LL 2014 (MADEC A Part 10/AV/C) Pagalina Main and Llink Profiles		For repainting instructions of casing and impact on warranty, contact your Axis partner.
compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Sustainability	PVC free
Resolution	1280x720 HDTV 720p to 320x180	Power	Axis PoE+ midspan 1-port: 100-240 V AC, max 37 W IEEE 802.3at, Type 2 Class 4
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions		Camera consumption: typical 8 W, max 16 W
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Controllable frame rate and bandwidth	Connectors	(PoE+ midspan not included) RJ45 10BASE-T/100BASE-TX PoE RJ45 push-pull connector (IP66) included
Image settings	Axis Zipstream technology in H.264 and H.265 VBR/ABR/MBR H.264/H.265 Compression, saturation, brightness, sharpness, contrast, local	Storage	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS)
mage seeings	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		For SD card and NAS recommendations see axis.com
		Operating conditions	-30 °C to 50 °C (-22 °F to 122 °F) Maximum intermittent temperature 55°C Humidity 10–100% RH (condensing)
Network	freeze on PTZ, electronic image stabilization, scene profiles, 20 individual polygon privacy masks	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot	Approvals	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,
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP*, SMMP 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)		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, IEC 60068-2-78, IEC/EN 60529 IP66, IEC/EN 60529 IP66, IEC/EN 60529 IP66,
System integro			IEC/EN 62262 IK10, NEMA 250 Type 4X Network
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org	Dimensions	NIST SP500-267, IPv6 USGv6 Height: 217 mm (8.54 in)
		Weight	ø 188 mm (7.4 in) 2.5 kg (5.5 lb)
Event conditions	Device status: Above operating temperature, Above or below operating temperature, Below operating temperature, Fan failure, IP address removed, Network lost, New IP address,	Included accessories	RJ45 Push-pull Connector (IP66), hard ceiling mount, spring pip adaptor, U-profile pipe adaptor, installation guide, Windows* decoder 1-user license, smoked dome
	Shock detected, Storage failure, System ready, Within operating temperature, Edge storage, Recording ongoing, Storage disruption [JO: Manual trigger, Virtual input PTZ: PTZ malfunctioning, PTZ movement: Camera 1, PTZ preset	Optional accessories	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 axis.com

www.cxis.com T10143728/EN/M13.2/2111

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

For more information please contact:



BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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

Camera			PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position	
Models	AXIS Q6078-E 50 Hz AXIS Q6078-E 60 Hz		reached, PTZ ready Scheduled and recurring: scheduled event	
Image sensor	1/2.5" progressive scan RGB CMOS	Frank astions	Video: live stream open	
Lens	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, Prirs control	Event actions	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	
Day and night	Automatically removable infrared-cut filter	Data atua amin n	Notification via email, HTTP, HTTPS and TCP Event data	
Minimum illumination	Color: 0.2 lux at 30 IRE, F2.0 B/W: 0.002 lux at 30 IRE, F2.0	Data streaming Built-in	Pixel counter, leveling guide	
Shutter speed	1/10000 s to 1 s	installation aids		
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°-450°/s Tilt: 220°, 0.05°-450°/s	Analytics		
	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	AXIS Object Analytics	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	
System on chip		Anuliantions		
Model	ARTPEC-7	Applications	Included AXIS Object Analytics	
Memory Compute capabilities	2 GB RAM, 512 MB Flash Machine learning processing unit (MLPU)		AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, autotracking 2, active gatekeeper, AXIS OSDI Zones, Orientation Aid PTZ	
Video			Support for AXIS Camera Application Platform enabling	
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	G	installation of third-party applications, see axis.com/acap	
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	General Casing	IP66-, IP67-, NEMA 4X- and IK10-rated	
Resolution	3840x2160 4K 2160p to 320x180		Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (ASA)	
Frame rate	Up to 25/30 fps (50/60 Hz) in 4K Up to 50/60 fps (50/60 Hz) in all other resolutions	Sustainability	PVC free	
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG	Power	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 16 W, max 51 W	
	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Connectors	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included	
Image settings	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	Storage	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 axis.com	
	image stabilization (EIS), freeze on PTZ, defog, backlight compensation, scene profiles	Operating conditions	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	
Network Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest		(165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 Humidity 10–100% RH (condensing)	
	authentication, user access log, centralized certificate management, brute force delay protection, signed firmware,	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	
	secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module, Axis Edge Vault with Axis device ID	Approvals	EMC	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPs ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^s , 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)		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 Safety IEC/EN/UL 60950-1	
System integro	rtion		IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 Environment	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org		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	
Event conditions	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	Mainle	Network NIST SP500-267 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR	
	I/O: manual trigger, virtual input MQTT subscribe	Weight	3.75 kg (8.3 lb)	

www.cxis.com T10163369/EN/M5.2/2201

Dimensions	Ø232 x 271 mm (Ø9 1/8 x 10.7 in)
Included accessories	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
Optional accessories	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
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

 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



For more information please contact:

BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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



For more information please contact:

BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





T10063551/EN/M7.4/2102 www.axis.com

AXIS P5415-E PTZ Dome Network Camera

Models	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
Camera		Data atmosphism	Notification via email, HTTP, HTTPS and TCP
Image sensor	1/2.8" progressive scan RGB CMOS	Data streaming	Event data
Lens	4.7–84.6 mm, F1.6–2.8 Horizontal field of view: 59°–4° Vertical field of view: 35°–2°	Built-in installation aids	Pixel counter
Day and night	Autofocus Automatically removable infrared-cut filter	Casing	IP66- and NEMA 4X-rated, IK07 impact-resistance Metal casing (aluminum), clear dome (PC), sunshield (ASA)
Minimum	Color: 0.5 lux at 30 IRE F1.6	Sustainability	PVC free
illumination	B/W: 0.04 lux at 30 IRE F1.6	Memory	256 MB RAM, 128 MB Flash
Shutter speed	1/28000 s to 2 s	Power	Axis PoE+ midspan 1-port:
Pan/Tilt/Zoom	Pan: ± 135°a 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 and tour, control queue,	Connectors	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. RJ45 for 10BASE-T/100BASE-TX PoE
Video	focus window, on-screen directional indicator		Terminal blocks for DC input, 4 configurable alarm inputs/output mic in/line in, line out
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption
Resolution	1920x1080 to 160x90		Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions	Operating	-20 °C to 50 °C (-4 °F to 122 °F)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG	conditions	Humidity 10–100% RH (condensing)
	Controllable frame rate and bandwidth VBR/CBR H.264	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–80% RH (non-condensing)
lmage settings	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	Approvals	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, VCC Class B, C AS(N)25 CISSB 33 Class B, CCC VN33 Class
Audio	udio		VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class KN24
Audio streaming Audio encoding	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz		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 60068-2-1 IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78,
Audio input/output	Configurable bit rate External microphone or line input, and line output		
Network			IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 Class IK07, ISO 4892-2
Security	Password protection, IP address filtering, HTTPS ^b encryption,		Network NIST SP500-267
,	IEEE 802.1X ^b network access control, Digest authentication, User	Dimensions	279 x 193 x 239 mm (11 x 7 5/8 x 9 7/16 in)
Supported	access log, Centralized Certificate Management IPv4, IPv6 USGv6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3	Weight	3.5 kg (7.7 lb.)
protocols FTP, SFTP, CIFS/SMB, (MIB-II), DNS, DynDN RTCP, ICMP, DHCP, AF		Included	Installation Guide, AVHS Authentication key, Windows decoder
	(MÍB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP	accessories	1-user license AXIS ACI Conduit Adapter 3/4" U-Shape 30 mm
System integra		Optional	Weather Cover AXIS P54 Smoked Dome
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile S and ONVIF® Profile G, specification at	accessories	AXIS T813 Midspan 30 W 1-port AXIS T813 Midspan 30 W 1-port AXIS T8415 Wireless Installation Tool AXIS T94P01B Corner Bracket AXIS T98A19-VE Surveillance Cabinet For more accessories, see www.axis.com
Analytics	AXIS Video Motion Detection 4, audio detection, advanced gatekeeper	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
	Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Event triggers	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	Warranty 5-year warranty, see axis.com/warranty 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), and cryptographic software written by Eric Young (eay@cryptsoft.com).	
Event actions	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	Environmental resp	•





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

Models	AXIS Q8685-E 20-28 V AC/DC		Time: recurrence, use schedule
Camera		Event actions	Day/night mode, overlay text, video recording to edge storage,
Image sensor	1/2.8" progressive scan CMOS		pre- and post-alarm video buffering, external output activation, send SNMP trap, illumination, WDR mode, wiper sequence,
Lens	Varifocal, 4.3–129 mm, F1.6–4.7 Horizontal field of view: 65.6°–2.0°		washer sequence
	Vertical field of view: 39.0°–1.2°		PTZ control: preset position, guard tour, autotracking File upload: FTP, HTTP, HTTPS, SFTP, network share, email
	Autofocus, auto-iris		Notification: HTTP, HTTPS,TCP, email
Day and night	Automatically removable infrared-cut filter in night mode	Data streaming	Event data
Minimum illumination	Color: 0.2 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6	Built-in	Pixel counter
mumacion	Color: 0.25 lux at 50 IRE F1.6	installation aids	
	B/W: 0.02 lux at 50 IRE F1.6	General Casing	IP66-, and NEMA 4X-rated powder coated aluminum
Shutter speed	1/66500 to 2 s	cusing	Color: white NCS S 1002-B
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°/s to 120°/s Tilt (default): -90° to +45°,		Front window: tempered glass with anti-reflective coating Long-life silicone wiper
	Tilt (inverted ^a): -45° to +90°		Sunshield: high-impact UV-stabilized thermoplastic
	Tilt speed: 0.05°/s to 60°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s)	Sustainability	PVC free
	Zoom: 30x optical zoom, 12x digital zoom, total 360x zoom	Memory	512 MB RAM, 256 MB Flash
	Preset accuracy: 0.05° 256 preset positions, quard tour, control queue, on-screen	Power	20-28 V AC/DC
	directional indicator, focus window, speed zoom, focus recall,		Typical: 16 W Max: 204 W
	de-icing control ^b , dynamic load balancing ^C		Power loss recovery ^e
Video			TVS 2 kV surge protection I/O connector
Video compression	H.264 (MPEG-4 Part 10/AVC), Baseline, Main and High Profiles Motion JPEG		Output voltage: 12 V DC
Resolution	1920x1080 (HDTV 1080p) to 320×180		Max load: 50 mA
Frame rate	Up to 25/30 fps (50/60 Hz) in 1080p	Connectors	SFP slot (SFP module not included) [†] RJ45 10BASE-T/100BASE-TX network connector ^f
	Up to 50/60 fps (50/60 Hz) in 720p		Power connector
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG		I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
	Axis Zipstream technology in H.264	Storage	Support for SD/SDHC/SDXC card
	Controllable frame rate and bandwidth VBR/MBR H.264	-	Support for SD card encryption
Image settings	Compression, color, brightness, sharpness, contrast, local		Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
age sectings	contrast, white balance, exposure control, exposure zones,	Operating	Normal: -50 °C to 55 °C (-58 °F to 131 °F)
	WDR - forensic capture (up to 120 dB), automatic backlight compensation, fine tuning of low-light behavior, manual shutter	conditions	Maximum (intermittent): 65 °C (149 °F)
	time, text and image overlay, 20 individual 3D privacy masks,		Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity 10–100% RH (condensing)
	image freeze on PTZ, electronic image stabilization		Wind load when PTZ operational 47 m/s (106 mph), without sunshield > 60 m/s (135 mph) ^g
Network Security	Password protection, IP address filtering, HTTPS ^d encryption,		Maximum effective projected area (EPA): 0.119 m ²
Security	network failover mode ^f , IEEE 802.1X ^d network access control,	Storage	-40 °C to 70 °C (-40 °F to 158 °F)
	digest authentication, user access log, centralized certificate	conditions	
Supported	management IPv4/v6, HTTP, HTTPS ^d , SSL/TLS ^d , QoS Layer 3 DiffServ, FTP, SFTP,	Approvals	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2,
protocols	CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II),		FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A,
	DNS, DynDNS, NTCIP, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Axis APTP A		RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4
Creatons into ave			Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22
System integro	Open API for software integration, including VAPIX®		Environment IEC/EN 60529 IP66, IEC 62262 IK10 ^h , NEMA 250 Type 4x,
Programming	and AXIS Camera Application Platform, specifications at		ISO 4892-2, IEC 60068-2-6, IEC 60068-2-27
Interface	www.axis.com ONVIF® Profile S and ONVIF® Profile G, specification at	Dimensions	229 x 411 x 580 mm (9 x 16 x 23 in)
	www.onvif.org		Maximum height with 45° tilt upwards: 680 mm (27 in) Maximum width/depth with 360° pan clearance: 633 mm (25 in)
Analytics	Included AVIS Video Motion Detection, Shock Detection, Advanced	Weight	14 kg (31 lb)
	AXIS Video Motion Detection, Shock Detection, Advanced Gatekeeper	Included	Installation Guide
	Supported AVIS Cross Line Detection	accessories	Windows decoder 1-user license
	AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling		Power connector, I/O connector Torx® bits T20 and T30
	installation of third-party applications, see www.axis.com/acap	Optional	AXIS T94J01A Wall Mount
Event triggers	Detectors: live stream accessed, video motion detection, shock	accessories	AXIS T94N01G Pole Mount
	detection, day/night mode Hardware: network, temperature		AXIS T95A64 Corner Bracket AXIS Washer Kit B
	Input signal: digital input, manual trigger, virtual inputs		AXIS Cable 24 V DC/24-240 V AC 22 m ⁱ
	PTZ: autotracking, moving, preset reached, ready Storage: disruption, recording		AXIS T8611 SFP Module LC.LX AXIS T8612 SFP Module LC.SX
	System: system ready		AXIS T8613 SFP Module 1000BASE-T
			AXIS T99 Illuminator Bracket Kit A Power supply DIN PS24 480 W
			Power supply DIN PS24 480 W

T10087015/EN/M12.6/2102 www.axis.com

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

a. The camera housing can be mounted in an inverted configuration if tilting directly

The camera nousing can be mounted in an inverted configuration it titing affects upwards is preferred.

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. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

e. Memory of all IP data and home position retained, and guard tour and other events

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:

axis.com/environmental-responsibility



For more information please contact:

BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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







Models AXIS Q6075-SE 50 Hz AXIS Q6075-SE 60 Hz			I/O: digital input, manual trigger, virtual input MQTT subscribe	
Camera			PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready	
Image sensor	1/2.8" progressive scan CMOS		Scheduled and recurring: scheduled event Video: live stream open	
Lens	uns 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		Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop quard tour	
Day and night	Automatically removable infrared-cut filter		File upload via FTP, SFTP, HTTP, HTTPS network share and email	
Minimum	Color: 0.1 lux at 30 IRE, F1.6		Notification via email, HTTP, HTTPS and TCP MQTT publish	
illumination	B/W: 0.002 lux at 30 IRE, F1.6 Color: 0.15 lux at 50 IRE, F1.6	Data streaming	Event data	
	B/W: 0.003 lux at 50 IRE, F1.6	Built-in	Pixel counter, leveling guide	
Shutter speed	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	installation aids		
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°-450°/s	Analytics	Object elected humans vahiales	
Tany 1119 250111	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	AXIS Object Analytics	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	
System on chip	o (SoC)	Applications	Included	
Model	ARTPEC-7		AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper	
Memory	1024 MB RAM, 512 MB Flash		Basic analytics (not to be compared with third-party analytics):	
Compute capabilities	Machine learning processing unit (MLPU)		object removed, enter/exit detector, object counter Supported	
Video			Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Video .	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	General	installation of tilliu-party applications, see uxis.com/ucup	
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Casing	IP66-, IP67-, NEMA 4X- and IK10-rated	
Resolution	HDTV 1080p 1920x1080 to 320x180		Stainless steel casing (V4A, SAE 316L/UNS S31603/EN 1.4404), nylon clear dome	
Frame rate	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	Sustainability	PVC free	
Video streaming	Motion JPEG	Power	Camera consumption: Max 65 W PSU: 24 V DC +/- 0.5 V, min 3.2 A (75 W)	
	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Connectors	IP68-rated multiconnector for DC power, Ethernet 10BASE-T/100BASE-TX and I/O	
Image settings	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		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 axis.com -30 °C to 50 °C (-22 °F to 122 °F)	
	Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	Operating conditions	Maximum temperature according to NEMA TS 2 (2.2.7): 74 $^{\circ}$ C (165 $^{\circ}$ F)	
Network Security	Password protection, IP address filtering, HTTPS ^a encryption,	Storage	Humidity 10–100% RH (condensing)	
Security	IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate	conditions Approvals	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
	management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module		EMC EN 50121-4, IEC 62236-4, EN 55024, EN 55032 Class A, EN 5503 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	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , 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)		RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 Safety IEC/EN/UL 60950-1, IS 13252 IEC/EN/UL 60950-22, IEC/EN/UL 62368-1 Environment IEC/EN 60529 IP66/IP67, IEC 60068-2-1, IEC 60068-2-2,	
System integration			IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 62262 IK10, NEMA 250 Type 4X,	
Application Programming Interface Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection One-Click Cloud Connection One-Click Cloud Connection			NEMA TS 2 (2.2.7-2.2.9), MIL-STD 810G (Method 509) Network NIST SP500-267	
	ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at <i>onvif.org</i>	Weight	6.0 kg (13 lb)	
Event conditions		Dimensions	Ø224 x 256 mm (Ø8.82 x 10.1 in)	
operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature		Included accessories	AXIS T8607 Media Converter Switch, 7 m (23 ft) IP68-rated multicable Installation Guide, Windows decoder 1-user license	
	Edge storage: recording ongoing, storage disruption			

Optional accessories	AXIS T8008 Power Supply, AXIS T94A02D Pendant Kit, AXIS T91F67 Pole Mount ⁶ , AXIS Q60-S Smoked Dome, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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).
 b. Requires AXIS T91K61 Wall Mount

www.cxis.com T10156642/EN/M7.2/2111

AXIS T8607 Media Converter Switch

General		
Casing	Metal Color: White NCS S 1002-B	
Power	24 V DC, max 4 W (power supply not included)	
Connectors	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	
Display and indicators	Power LED indicator Camera network LED indicator Network LED indicator (4x)	
Compliance	RoHS, REACH, WEEE, CE, EN 50022, IEC 60715, AS 2756	
Mounting	DIN Rail mount	
Environment	Indoor/Cabinet	
Operating conditions	-40 °C to 75 °C (-40 °F to 167 °F) Humidity 10-85% RH (non-condensing)	
Storage conditions	-40 °C to 75 °C (-40 °F to 167 °F) Humidity 10-85% RH (non-condensing)	
Approvals	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	
Dimensions	150 x 100 x 30 mm (5 15/16 x 3 15/16 x 1 3/16 in)	
Weight	284 g (0.63 lb)	
Included accessories	Bracket Mount DIN Clip	
Warranty	3-year warranty, see axis.com/warranty	

Environmental responsibility:

 $ax is. com/environmental \hbox{-} responsibility$

For more information please contact:



BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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® devices, creating a small security solution with less cabling. AXIS M5065 is a ceiling-mount camera that provides coverage over a 500 m 2 (4300 sq. ft) area with $\pm 180^\circ$ pan, 90 $^\circ$ 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® compatibility
- > IP51-rated
- > Power over Ethernet (IEEE 802.3af)
- > Built-in analytics









T10098379/EN/M7.4/2102 www.axis.com

AXIS M5065 PTZ Network Camera

Models	AXIS M5065 EUR		Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network
	AXIS M5065 JP AXIS M5065 US		share, email PTZ control: preset position
Camera			Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text
Image sensor	1/4.85" progressive scan RGB CMOS		Z-Wave
Lens	Varifocal. 2.2–11.0 mm, F1.4–F2.5		Status LED
	Horizontal field of view: 14°-71° Vertical field of view: 8°-40°	Data streaming	Event data
	Autofocus	Built-in installation aids	Pixel counter
Minimum illumination	Color: 1.2 lux at 30 IRE F1.4	General	
Shutter speed	1/16000 s to 1 s	Casing	IP51-rated plastic casing, clear dome
Pan/Tilt/Zoom	Pan: ±179°, 100°/s	Sustainability	PVC free
1411/1114/200111	Tilt: 90°, 100°/s	Memory	512 MB RAM, 256 MB Flash
	Zoom: 5x optical, 10x digital 25 preset positions, control queue, on-screen directional indicator	Power	Power over Ethernet 802.3af/802.3at Type 1 Class 3 Typical 4.8 W, max 8.0 W
Video		Connectors	RJ45 10BASE-T/100BASE-TX PoE
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS)
Resolution	1920x1080 to 320x180 (16:9)		For SD card and NAS recommendations see www.axis.com
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	Operating	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG	Storage	-30 °C to 60 °C (-22 °F to 140 °F)
	Axis Zipstream technology in H.264	conditions	-30 C t0 60 C (-22 F t0 140 F)
	Controllable frame rate and bandwidth VBR/MBR H.264	Approvals	AXIS M5065 EUR
Image settings	·		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 AXIS M5065 JP EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2,
Audio			VCCI Class A, RCM AS/NZS CISPR 32 Class A, TELEC,
Audio streaming	One-way		IEC/EN/UL 62368-1, IEC/EN 60529 IP51 AXIS M5065 US
Audio encoding	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate		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,
Audio input	dio input Built-in microphone		RCM AS/NZS CISPR 32 Class A, IEC/EN/UL 62368-1, IEC/EN 60529 IP51
Network			Ø130 x 63 mm (Ø5.1 x 2.5 in)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user	Weight	375 q (0.8 lb)
	access log, centralized certificate management		AXIS M50 Mounting Kit, Installation Guide, Windows decoder
Supported	IPv4/v6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, SFTP,	accessories	1-user license
protocols	CIFS/SMB, SMTP, Bonjour, UPnP®, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP,	Optional accessories	AXIS M50 Clear Dome Cover A AXIS T8341 PIR Motion Sensor
	DHCP, ARP, SOCKS, SSH, Z-Wave Plus® HC4 and HC8b	accessories	AXIS 18341 FIN MOUTON Sensor AXIS T8342 Door/Window Sensor
System integra	rtion		AXIS T8343 Alert Button AXIS T8344 Power On/Off Plug
Application	Open API for software integration, including VAPIX®		For more accessories, see axis.com
Programming Interface	and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-Click cloud connection	Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms
	ONVIF® Profile S and ONVIF® Profile G, specification at onvif.org	Languages	English, German, French, Spanish, Italian, Russian, Simplified
Analytics	AXIS Video Motion Detection, audio volume detection, scream detection, removed object detection		Chinese, Japanese, Korean, Portuguese, Traditional Chinese 5-year warranty, see axis.com/warranty
Support for AXIS Camera Application Platform enabling installation of third-party applications, see			

axis.com/environmental-responsibility



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Storage: disruption, recording

Record video: SD card, network share

System: system ready Time: recurrence, use schedule

Event actions



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	Q.6075 -1	: PTZ	Network	Camera
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Models	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
Camera Image sensor 1/2.8" progressive scan CMOS			reached, PTZ ready
	is 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 y and night Automatically removable infrared-cut filter		Scheduled and recurring: scheduled event Video: live stream open
Lens			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
Day and night			
Minimum illumination	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6		Notification via email, HTTP, HTTPS and TCP MQTT publish
munimation	Color: 0.15 lux at 50 IRE, F1.6	Data streaming	Event data
Shuttor spood	B/W: 0.003 lux at 50 IRE, F1.6	Built-in installation aids	Pixel counter, leveling guide
Shutter speed	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	Analytics	
Pan/Tilt/Zoom	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	AXIS Object Analytics	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
System on chip	o (SoC)	Applications	Included
Model	ARTPEC-7		AXIS Object Analytics AXIS Video Metion Detection outstreeking 3 pative getskeeper
Memory	1024 MB RAM, 512 MB Flash		AXIS Video Motion Detection, autotracking 2, active gatekeeper Basic analytics (not to be compared with third-party analytics):
Compute capabilities	Machine learning processing unit (MLPU)		object removed, enter/exit detector, object counter Supported Support for AXIS Camera Application Platform enabling
Video Video	H 264 (MPEC 4 Part 10/A)/C) Paralina Main and High Profiles		installation of third-party applications, see axis.com/acap
compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	General Casing	IP66-, IP67-, NEMA 4X- and IK10-rated
Resolution	HDTV 1080p 1920x1080 to 320x180		Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)
Frame rate	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	Sustainability	PVC free
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265	Power	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 14 W, max 51 W
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Connectors	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included
Image settings	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		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 axis.com
			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
Network Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest		(165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)
	authentication, user access log, centralized certificate management, brute force delay protection, signed firmware,	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
	secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module	Approvals	EMC EN 55032 Class A, EN 55035, EN 61000-3-2,
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^a , 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)		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 Safety IEC/EN/UL 60950-1, IS 13252
System integra	rtion		IEC/EN/UL 60950-22, IEC/EN/UL 62368-1 Environment
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org		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
Event conditions	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		Network NIST SP500-267 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR

www.cxis.com T10139891/EN/M17.2/2111

Weight	3.75 kg (8.3 lb)
Dimensions	Ø232 x 271 mm (Ø9.13 x 10.7 in)
Included accessories	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
Optional accessories	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
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

 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



For more information please contact:

BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





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









BOCK OPTRONICS INC.

14 Steinway Blvd., Unit 7 Toronto, Ontario M9W 6M6





AXIS M5525-E PTZ Network Camera

Camera			Overlay text, play audio clip, external output activation, WDR
Image sensor	1/2.8" progressive scan CMOS		mode
Lens	4.7–47 mm, F1.6–3.0 Horizontal field of view: 61.8°–6.7° Vertical field of view: 37.2°–3.8°	Built-in installation aids	Event data Pixel counter
	Autofocus, auto-iris	Analytics	
Day and night Minimum illumination	Automatically removable infrared-cut filter 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	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, audio detection, advanced gatekeeper Supported
Shutter speed	1/66500 s to 2 s		AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling
Pan/Tilt/Zoom	Pan: 360° endless, 1.8°-150°/s		installation of third-party applications, see axis.com/acap
	Tilt: 90°,1.8°-150°/s 10x optical zoom, 12x digital zoom, total 120x zoom	General	
	Nadir flip, 100 preset positions, limited guard tour, control queue, on-screen directional indicator	Casing	IP66-, NEMA 4X- and IK09-rated Repaintable plastic casing, polycarbonate (PC) dome
Video		Sustainability	PVC free
Video .	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	Memory	512 MB RAM, 256 MB Flash
compression	Motion JPEG	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
Resolution	1920x1080 to 320x180		Typical 6.6 W, max 12.95 W 20–28 V DC, typical 6.3 W, max 13 W
Frame rate	Up to 25/30 fps with power line frequency 50/60 Hz		(PoE midspan and power supply not included)
Video streaming	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 Saturation, brightness, sharpness, WDR – forensic capture, white	Connectors	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
J J	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°	Storage	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 axis.com
Audio		Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F)
Audio streaming	Two-way, full duplex		Humidity 15–100% RH (condensing)
Audio encoding	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	Storage conditions Approvals	-40 °C to 65 °C (-40 °F to 149 °F) EMC
Audio	External microphone input or line input, line output		EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024,
input/output			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,
Network			KC KN32 Class A, KN35
Supported protocols	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP		Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252 Environment IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60529 IP66, IEC/EN 62262 IK09 Network NIST SP500-267
	v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	Dimensions	Height: 132 mm (5.2 in), ø 165 mm (6.5 in)
System integro	rtion	Weight	1.1 kg (2.4 lb) Recessed mount (plenum rated): 1.0 kg (2.2 lb)
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection	Included accessories	Conduit adapter 3/4", smoked dome, adapter bayonette Installation Guide, Windows® decoder 1-user license
Event triggers	ONVIF® Profile S and ONVIF® Profile G, specification at <i>onvif.org</i> Analytics, edge storage events	Optional accessories	AXIS T91 Mounting Accessories, AXIS T94P01L Recessed Mount Kit
_rene anggens	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	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
	Storage: disruption, recording System: system ready	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
	Time: recurrence, use schedule	Warranty	5-year warranty, see axis.com/warranty
Event actions	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.	a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com). Environmental responsibility:	
Notification: email, HTTP, HTTPS, TCP, and SNMP trap PTZ: PTZ preset, start/stop guard tour		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:

BOCK OPTRONICS INC.

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AXIS P5414-E PTZ Dome Network Camera

Models	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	
Camera		Data streaming	Event data	
Image sensor	1/2.8" progressive scan RGB CMOS	Built-in	Pixel counter	
Lens	4.7–84.6 mm, F1.6–2.8 Horizontal field of view: 59°–4°	installation aids		
	Vertical field of view: 35°-2°	General Casing	IP66- and NEMA 4X-rated, IK07 impact-resistance	
	Autofocus	Cashing	Metal casing (aluminum), clear dome (PC), sunshield (ASA)	
Day and night	Automatically removable infrared-cut filter	Sustainability	PVC free	
Minimum illumination	Color: 0.4 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6	Memory	256 MB RAM, 128 MB Flash	
Shutter speed	1/28000 s to 2 s	Power	Axis PoE+ midspan 1-port:	
Pan/Tilt/Zoom	Pan: + 135°a		100-240 V AC, max 37 W IEEE 802.3at Type 2 Class 4	
1 dily 111 (2 0 0 iii	0.2°-350°/s		Multi-connector cable:	
	Tilt: 0°-90° 0.2°-350°/s		24 V DC, max 16 W PoE+ midspan and power supply not included.	
	Zoom: 18x optical, 12x digital zoom, Total 216x zoom	Connectors	RJ45 for 10BASE-T/100BASE-TX PoE	
	Nadir flip, 100 preset positions, limited guard tour, control queue, focus window, on-screen directional indicator		Terminal blocks for DC input, 4 configurable alarm inputs/output mic in/line in, line out	
Video		Storage	Support for microSD/microSDHC/microSDXC card	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG		Support for SD card encryption Support for recording to network-attached storage (NAS)	
Resolution	1280x720 to 160x90		For SD card and NAS recommendations see www.axis.com	
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions	Operating	-20 °C to 50 °C (-4 °F to 122 °F)	
Video streaming	Multiple, individually configurable streams in H.264 and	conditions	Humidity 10–100% RH (condensing)	
J	Motion JPEG	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–80% RH (non-condensing)	
	Controllable frame rate and bandwidth VBR/CBR H.264	Approvals	EMC	
Image settings	Compression, color, brightness, sharpness, contrast, white	Approvais	EN 50121-4, IEC 62236-4: 2008, EN 50581,	
	balance, exposure control, exposure zones, WDR, backlight		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,	
	compensation, fine tuning of behavior at low light, text and image overlay, 20 individual 3D privacy masks		VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class I	
Audio			KN24 Safety	
Audio streaming	Two-way		IEC/EN/UL 60950-1, IEC/EN/UL 60950-22	
Audio encoding	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate		Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-1, IEC 60068-2-7, IEC 60068-2-30, IEC 60068-2-78,	
Audio input/output	External microphone or line input, and line output		IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 Class IK07, ISO 4892-2 Network	
Network	Password protection, IP address filtering, HTTPS ^b encryption,		NIST SP500-267	
Security	IEEE 802.1X ^b network access control, Digest authentication, User	Dimensions	265 x 169 x 224 mm (10 7/16 x 6 5/8 x 8 13/16 in)	
	access log, Centralized Certificate Management	Weight	3.5 kg (7.7 lb.)	
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3	Included	Installation Guide, AVHS Authentication key, Windows decoder	
protocois	(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3,	accessories	1-user license AXIS ACI Conduit Adapter 3/4" U-Shape 30 mm	
	RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP		Weather Cover	
System integra	tion	Optional	AXIS P54 Smoked Dome	
Application Programming	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at	accessories	AXIS T8133 Midspan 30 W 1-port AXIS T8415 Wireless Installation Tool	
Interface	www.axis.com		AXIS T94P01B Corner Bracket	
	One-click cloud connection ONVIF® Profile S and ONVIF® Profile G, specification at		AXIS T98A19-VE Surveillance Cabinet For more accessories, see www.axis.com	
	www.onvif.org	Video	AXIS Companion, AXIS Camera Station, video management	
Analytics	AXIS Video Motion Detection 4, audio detection, advanced	management	software from Axis' Application Development Partners available	
	gatekeeper Support for AXIS Camera Application Platform enabling	software	on www.axis.com/techsup/software	
	installation of third-party applications, see www.axis.com/acap	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
Event triggers	Detectors: live stream accessed, video motion detection	Warranty	5-year warranty, see axis.com/warranty	
	Hardware: network, temperature, fan Input Signal: manual trigger, virtual inputs	,		
	PTZ: error, moving, preset reached, ready	a. vvitn corner-mot	unt installations, there is slight visual obstruction from the housing right corner of the image at pan end points.	
	Storage: disruption, recording	b. This product incl OpenSSL Toolkit.	right corner of the image at pan end points. udes software developed by the OpenSSL Project for use in the (www.openssl.org), and cryptographic software written by Eric	
	System: system ready Time: recurrence, use schedule	Young (eay@cry	ptsoft.com).	
Event actions	Day/night mode, overlay text, video recording to edge storage,	e storage, Environmental responsibility:		
	pre- and post-alarm video buffering, external output activation,	axis.com/environme	•	
	send SNMP trap, play audio clip	uxis.com/cnviio/illi	.iitui-icəpolisioliity	





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	86075	PT7	Network	Camera
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Models	AXIS Q6075 50 Hz	Application	Open API for software integration, including VAPIX® and
	AXIS Q6075 60 Hz	Programming Interface	AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection
Camera Image sensor	1/2.8" progressive scan CMOS	meriace	ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T,
Lens	4.25–170 mm, F1.6–4.95		specification at onvif.org
LCIIS	Horizontal field of view: 65.1°–2.00° (1080p) Vertical field of view: 39.1°–1.18° (1080p) Autofocus, auto-iris	Event conditions	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
Day and night	Automatically removable infrared-cut filter		storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption
Minimum illumination	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		I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready
Shutter speed	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz		Scheduled and recurring: scheduled event Video: live stream open
Pan/Tilt/Zoom	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	Event actions	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
System on chip		Data streaming	Event data
Model	ARTPEC-7	Built-in	Pixel counter, leveling guide
Memory	1024 MB RAM, 512 MB Flash	installation aids	The counce, retering guide
Compute capabilities	Machine learning processing unit (MLPU)	Analytics	
Video		AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area
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	Allalytics	Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas
Resolution	HDTV 1080p 1920x1080 to 320x180		Perspective configuration ONVIF Motion Alarm event
Frame rate	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	Applications	Included
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	пррисасіонз	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
Image settings	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,		Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
	polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles	General	IDEO 4 I
	Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	Casing	IP52-rated Metal casing (aluminum), Acrylic (PMMA) clear dome
Audio		Sustainability	PVC free
Audio streaming	Two-way, full duplex, half-duplex, simplex	Power	Axis PoE+ midspan 1-port: 100-240 V AC, max 22.4 W IEEE 802.3at Type 2 Class 4
Audio encoding	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		Camera PoE consumption: typical 11 W, max 17.1 W Multiconnector: 24 V DC +/- 10%, typical 10.5 W, max 16.1 W
Audio input/output	Requires multicable (sold separately) for external microphone or line input, and line output, automatic gain control	Commontore	24 V AC +/- 10%, typical 16.5 VA, max 25.3 VA
Network	ine input, and fine output, automatic gain control	Connectors	RJ45 10BASE-T/100BASE-TX PoE, multiconnector (cable sold separately) for AC/DC power, 4 configurable alarm inputs/outputs
Security	Password protection, IP address filtering, HTTPS ^a encryption,		mic in, line mono input, line mono output to active speaker
·	IEEE 802.1x (EAP-TLS) ^a 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	Storage	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 axis.com
Supported	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a ,	Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
ριστοτοίς	protocols QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP,		-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
System integro	SOCKS, SSH, NTCIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf)	Approvals	EMC 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 Safety

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

Optional accessories	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
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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).

 ${\bf Environmental\ responsibility:}$

axis.com/environmental-responsibility



For more information please contact:

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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 The	mai net	work Camera
Models	AXIS Q8642-E 60 mm 30 fps 24 V AXIS Q8642-E 60 mm 8.3 fps 24 V	General Casing	IP66– and NEMA 4X-rated pov
Camera Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm		Color: white NCS S 1002–B Front window: germanium Sunshield: high-impact UV-sta
Lens	Athermalized	Sustainability	PVC free
Camaldinita	Horizontal field of view: 10°, F1.25	Memory	512 MB RAM, 256 MB Flash
Sensitivity Pan/Tilt	NETD < 50 mK Pan: 360° endless, $0.05^\circ-120^\circ/s$ Tilt: -90 to $+45^\circ$, $0.05^\circ-60^\circ/s$. Jerk-free movements at low speed: $\sigma < 0.01^\circ/s$ (at $0.05^\circ/s$) De-icing control ^a Preset accuracy: 0.05°	Power Connectors	24 V AC/DC Typical 16 W, max 182 W Power loss recovery ^d , TVS 2 kV I/O connector Output power 12 V DC, max lo SFP slot (SFP module not inclu
Video	256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing ^b		RJ45 10BASE-T/100BASE-TX/1 Power connector I/O connector: 6-pin terminal
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Storage	inputs/outputs Support for microSD/microSDH
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).		Support for SD card encryption Recording to network-attache
Frame rate	Up to 8.3 fps and 30 fps		For SD card and NAS recomme
Video streaming	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	Operating conditions	-40 °C to 60 °C (-40 °F to 14 Humidity 10–100% RH (conde Wind load when PT operation 47 m/s (106 mph). Maximum effective projected
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image	Storage conditions	-40 °C to 65 °C (-40 °F to 149
Network	stabilization, multiple palettes	Approvals	EMC EN 55032 Class A, EN 55024,
Security	Password protection, IP address filtering, HTTPS ^c encryption, network fail-over link ^e , IEEE 802.1x (EAP-TLS) ^c network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		EN 61000-3-2, EN 61000-3-3, VCCI Class A ITE, ICES-003 Clas EN 50121-4, IEC 62236-4 Safety IEC/EN/UL 62368-1, IEC/EN/UI Environment
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^c , SSL/TLS ^c , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DVS, DynDNS, NTCIP, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1		IEC/EN 60529 IP66, NEMA 25 IEC 60068-2-2, IEC 60068-2- Network NIST SP500-267
System integro		Dimensions	557 x 229 x 289 mm (22 x 9 x
Application	Open API for software integration, including VAPIX® and	Weight	12.2 kg (27 lb)
Programming Interface	AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection	Included accessories Optional	Installation guide, Windows® of Power connector, I/O connector AXIS T94J01A Wall Mount, AXIS T94J01A WALL WALL WALL WALL WALL WALL WALL WA
Event triggers	ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs	accessories	Mount, AXIS T95A64 Corner AXIS Cable 24 V DC/24-240 V LC.LX, AXIS T8612 SFP Module 1000BASE-T For more accessories, see <i>axis</i> .
	PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	Video management software	AXIS Companion, AXIS Camera software from Axis' Applicatio at axis.com/vms
Event actions	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay	Languages	English, German, French, Span Chinese, Japanese, Korean, Por
	text	Warranty	5-year warranty, see axis.com/
	PTZ control: preset position, guard tour File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email	Export control	This product is subject to expo should always consult and cor appropriate local export contro
Data streaming	Event data	a. Internal heaters	to defrost ice build-up. Automat
Built-in installation aids	Pixel counter	HTTP API (VAPIX	1) for positioning unit.
Analytics		at low wind.	ors actively compensate for chan es such as high winds. This allows
Applications	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection Supported	c. This product inc OpenSSL Toolkit (eay@cryptsoft. d. IP data and hom e. If a network link	ludes software developed by the (. (openssl.org), and cryptographic com). e position retained, and guard to (is established via both the SFPs) in the primary link and the latter of the latt

Supported

AXIS Perimeter Defender

Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

	10111 0 011110101
General	
Casing	IP66– and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002–B Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic
Sustainability	PVC free
Memory	512 MB RAM, 256 MB Flash
Power	24 V AC/DC Typical 16 W, max 182 W Power loss recovery ^d , TVS 2 kV surge protection I/O connector Output power 12 V DC, max load 50 mA
Connectors	SFP slot (SFP module not included) ^e RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector ^e Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
Storage	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 axis.com
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing) Wind load when PT operational 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m ²
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	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 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 Network NIST SP500-267
Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)
Weight	12.2 kg (27 lb)
Included accessories	Installation guide, Windows® decoder 1–user license Power connector, I/O connector, Torx® bits T20 and T30
Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24-240 V AC 22 mf, AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty
Export control	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.

- a. Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.
 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.
 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 (eav@cryptsoft.com).
 d. IP data and home position retained, and guard tour and other events resumed.
 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.

WWW.CXIS.COM T10097054/EN/M15.5/2102

Environmental responsibility:

axis.com/environmental-responsibility

BOCK OPTRONICS INC.

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Toronto, Ontario M9W 6M6





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 2 (4300 sq. ft) area with \pm 180° 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







T10111513/EN/M6.4/2102 www.axis.com

AXIS M5054 PTZ Network Camera

Camera			System: system ready
Image sensor	1/4.85" progressive scan RGB CMOS		Time: recurrence, use schedule
Lens	Varifocal. 2.2–11.0 mm, F1.4–F2.5 Horizontal field of view: 14°–71° Vertical field of view: 8°–40° Autofocus	Event actions	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
Minimum illumination	Color: 0.9 lux at 30 IRE F1.4		Overlay text Status LED
Shutter speed	1/16000 s to 1 s	Data streaming	Event data
Pan/Tilt/Zoom	Pan: ±179°, 100°/s Tilt: 90°, 100°/s Zoom: 5x optical, 10x digital	Built-in installation aids	Pixel counter
	25 preset positions, control queue, on-screen directional	General	
	indicator	Casing	IP51-rated plastic casing, clear dome
Video		Sustainability	PVC free
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles	Memory	512 MB RAM, 256 MB Flash
compression	Motion JPEG	Power	Power over Ethernet 802.3af/802.3at Type 1 Class 3
Resolution	1280x720 to 320x180 (16:9)		Typical 4.6 W, max 7.8 W
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	Connectors	RJ45 10BASE-T/100BASE-TX PoE
Video streaming	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	Storage	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 www.axis.com
Image settings	Resolution, compression, rotation: 0°, 180°, text and image	Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–90% RH (non-condensing)
	overlay, color, brightness, sharpness, white balance, wide dynamic range, exposure control, exposure time, gain, exposure zones, exposure priority, image freeze on PTZ, privacy masks	Storage conditions	-30 °C to 60 °C (-22 °F to 140 °F)
Audio		Approvals	EMC
Audio streaming	One-way		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,
Audio encoding	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate		RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN-35 Safety
Audio input	Built-in microphone		IEC/EN/UL 62368-1 Environment
Network			IEC/EN 60529 IP51
Security	Password protection, IP address filtering, HTTPS ^a encryption,	Dimensions	Ø130 x 63 mm (Ø5.1 x 2.5 in)
	IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management	Weight	375 g (0.8 lb)
Supported	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP,	Included	AXIS M50 Mounting Kit, Installation Guide, Windows decoder
protocols	CIFS/SMB, SMTP, Bonjour, UPnP®, SNMPv1/v2c/v3 (MIB-II), DNS,	accessories	1-user license
	DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, Z-Wave Plus® HC4 and HC8 ^b	Optional accessories	AXIS M50 Clear Dome Cover A For more accessories, see axis.com
System integro	ntion	Video	AXIS Companion, AXIS Camera Station, Video management
Application Programming	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at	management software	software from Axis' Application Development Partners available on www.axis.com/vms
Interface	www.axis.com One-click cloud connection ONVIF® Profile S and ONVIF® Profile G, specification at onvif.org	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Analytics	Included	Warranty	5-year warranty, see axis.com/warranty
Analytics	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 www.axis.com/acap	OpenSSL Toolkit. Young (eay@cry b. Device types in h	udes software developed by the OpenSSL Project for use in the (www.openssl.org), and cryptographic software written by Eric optsoft.com). Iome control group 4: notification sensors. Device types in home on/off power switches, power strips, irrigation controls. For more he supported command classes, see the product's User Manual.
Event triggers	Applications Detectors: live stream accessed		
	Hardware: network Input signal: manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording	Environmental resp axis.com/environme	•



For more information please contact:

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Storage: disruption, recording



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

Models	AXIS Q6315-LE 50 Hz AXIS Q6315-LE 60 Hz	Event conditions	Device status: above operating temperature, above or below operating temperature, fan failure	
Camera Image sensor 1/2" progressive scan CMOS			IP address removed, network lost, new IP address, shock detected storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
Lens	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		I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event	
Day and night	Automatically removable infrared-cut filter		Video: average bitrate degradation, day-night mode, live stream open	
Minimum illumination 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		Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, networ share and email Pre- and post-alarm video or image buffering for recording or	
Shutter speed	1/111000 s to 1/2 s with 50 Hz 1/111000 s to 1/2 s with 60 Hz		upload Notification: email, HTTP, HTTPS, TCP and SNMP trap	
Pan/Tilt/Zoom	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),		PTZ: PTZ preset, start/stop guard tour Overlay text, day/night mode WDR mode IR illumination MQTT publish	
	control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, speed dry	Data streaming	Event data	
System on chi		Analytics		
Model	ARTPEC-7	Compute capabilities	Machine learning processing unit (MLPU)	
Compute capabilities	Machine learning processing unit (MLPU)	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios	
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		Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
Resolution	1920x1080 (HDTV 1080p) to 320x180	Applications	Included	
Frame rate	Up to 50/60 fps (50/60 Hz) in all resolutions		AXIS Object Analytics AXIS Video Motion Detection, AXIS OSDI Zone, Orientation Aid	
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		PTZ, advanced gatekeeper, autotracking 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
	VBR/ABR/MBR H.264/H.265	General	IDCC IDC7 NEMA AV and IV10 vated	
Image settings	Video streaming indicator Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, image freeze on PTZ, scene	Casing	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	
	profiles, rotation, electronic image stabilization (EIS), defogging Contrast, local contrast, autofocus, Forensic WDR: Up to	Sustainability	PVC free	
	120 dB depending on scene, 32 individual polygon privacy masks including mosaic and chameleon privacy masks	Memory	1024 MB RAM, 512 MB Flash	
Network Security	Password protection, multi-level user, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a , network access control,	Power	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	
	user access log, digest authentication, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66)	
Supported	certified TPM 2.0 module IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a ,	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 300 m (984 ft) or more depending on the scene	
protocols	QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, 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	Storage	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 axis.com	
Country into	address (ZeroConf)	Operating conditions	-50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T,	conditions	(165 °F) Arctic Temperature: -40 °C (-40 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing)	
Onscreen	specification at <i>onvif.org</i> IR illumination	Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F) Humidity 5-95% RH (non-condensing)	
controls	Quick-zoom Enable/disable all privacy masks Speed dry	Approvals	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),	

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	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
Dimensions	Height: 261 mm (10.3 in) With weather shield: Ø 239 mm (9.4 in) Without weather shield: Ø 192 mm (7.6 in)
Weight	4 800 g (10.6 lb)
Included accessories	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 <i>axis.com</i>
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at 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

 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



For more information please contact:

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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

Models	AXIS Q6074 50 Hz AXIS Q6074 60 Hz	Application Open API for software integration, including VAPIX® ar Programming AXIS Camera Application Platform; specifications at axis		
Camera		Interface	One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T,	
Image sensor	1/2.8" progressive scan CMOS		specification at onvif.org	
Lens	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	Event conditions	Audio: audio detection Device status: above operating temperature, above or below operating temperature, fan fa IP address removed, network lost, new IP address, shock dete	
Day and night	Automatically removable infrared-cut filter		storage failure, system ready, within operating temperature	
Minimum illumination	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		Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MOTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready	
Shutter speed	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz		Scheduled and recurring: scheduled event Video: live stream open	
Pan/Tilt/Zoom	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	Event actions	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, pla audio clip	
System on chip	o (SoC)	- D	MQTT publish	
Model	ARTPEC-7	Data streaming	Event data	
Memory	1024 MB RAM, 512 MB Flash	Built-in installation aids	Pixel counter, leveling guide	
Compute	Machine learning processing unit (MLPU)	Analytics		
capabilities		AXIS Object	Object classes: humans, vehicles	
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	Analytics	Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas	
Resolution	HDTV 720p 1280x720 to 320x180		Perspective configuration	
Frame rate	Up to 50/60 fps (50/60 Hz) in HDTV 720p	Annliantions	ONVIF Motion Alarm event	
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	Applications	Included AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeepe audio detection Basic analytics (not to be compared with third-party analytics) object removed, enter/exit detector, object counter Supported	
Image settings	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	General	Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
	on PTZ, automatic defog, backlight compensation, scene profiles Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	Casing	IP52-rated Metal casing (aluminum), Acrylic (PMMA) clear dome	
Audio	5 5 · · · · · · · ·	Sustainability	PVC free	
Audio streaming	Two-way, full duplex, half-duplex, simplex	Power	Axis PoE+ midspan 1-port: 100-240 V AC, max 22.4 W IEEE 802.3at Type 2 Class 4	
Audio encoding	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		Camera PoE consumption: typical 11 W, max 17.1 W Multiconnector: 24 V DC +/- 10%, typical 10.5 W, max 16.1 W	
Audio input/output	Requires multicable (sold separately) for external microphone or line input, and line output	Conrectors	24 V AC +/- 10%, typical 16.5 VA, max 25.3 VA	
Network	or time input, and time output	Connectors	RJ45 10BASE-T/100BASE-TX PoE, multiconnector (cable sold separately) for AC/DC power, 4 configurable alarm inputs/output:	
Security	Password protection, IP address filtering, HTTPS ^a encryption,		mic in, line mono input, line mono output to active speaker	
,	IEEE 802.1x (EAP-TLS) ^a 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	Storage	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 axis.com	
Supported	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a ,	Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)	
protocols	QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP,	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
	RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, NTCIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf)	Approvals	EMC EN 55032 Class A, EN 55035, EN 61000-3-2,	
System integro	rtion		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 Safety	

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

Optional accessories	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
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty
This product in	cludes software developed by the OpenSSL Project for use in the

 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



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AXIS Q6215-LE PTZ Network Camera

Heavy-duty PTZ camera with OptimizedIR

AXIS Q6215-LE PTZ Network Camera has a ½-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

a			
Camera Image sensor	1/1.9" progressive scan RGB CMOS		Pre- and post-alarm video or image buffering for recording or upload
Lens	Zoom lens, 6.7–201 mm, F1.6–5.3		Notification: email, HTTP, HTTPS, and TCP
Lens	Horizontal field of view: 58.6°-2.2° Vertical field of view: 34.1°-1.2°		PTZ: PTZ preset, start/stop guard tour, autotracking Overlay text, day/night mode
	Autofocus, automatic day/night	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Pixel counter Automatic orientation
Minimum illumination	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	Analytics	
	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	Applications	Included AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard
Shutter speed	1/30000 s to 1/6 s		AXIS Video Motion Detection, autotracking, gatekeeper Supported
Pan/Tilt/Zoom	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		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
	Preset accuracy: 0.10°	General	
	256 preset positions, tour recording, guard tour, control queue, orientation aid PTZ	Cybersecurity	Signed firmware
System on chip	o (SoC)	Casing	IP66-, IP68-, NEMA 4X- and IK10-rated aluminum casing Color: urban grey NCS S 5502-B Wiper included (silicone wiper blade)
Model	ARTPEC-6	Sustainability	PVC free
Memory	1024 MB RAM, 512 MB Flash	Power	High PoE 95 W midspan 1–port: 100–240 V AC, max 1.35 A
Video Video	H.264 (MPEG-4 Part 10/AVC), H.264 Main, High and	rower	IEEE 802.3bt Type 4 Class 8 Camera consumption: typical 25 W, max 71 W
compression	Baseline Profiles Motion JPEG	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE
Resolution	1920x1080 HDTV 1080p to 320x180	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 400 m (1300 ft) or more depending on the scene
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions	Storage	Support for SD/SDHC/SDXC card
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth	Operating	Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations, see <i>axis.com</i> -50 °C to 55 °C (-58 °F to 131 °F)
Image settings	VBR/ABR/MBR H.264 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	conditions	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) Wind load (sustained): 68 m/s (150 mph) -40 °C to 65 °C (-40 °F to 149 °F)
37-1	masks, electronic image stabilization (EIS) ^a	conditions	-40 € 10 05 € (-40 1 10 145 1)
Network Security	Password protection, IP address filtering, HTTPS ^b encryption,	Approvals	EMC
Security	IEEE 802.1x (EAP-TLS) ^b network access control, digest authentication, user access log, centralized certificate management, brute force delay protection		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
Supported protocols	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSb, TLSb, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, 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)		Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk group 2, IS 13252 Environment 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,
System integra	tion		521.3), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6,
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and		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
	ONVIF® Profile T, specification at onvif.org	Dimensions	210 x 330 x 313 mm (4 5/16 x 13 x 12 5/16 in)
Event triggers	Analytics, edge storage events, virtual inputs through API	Weight	8.7 kg (19.3 lb)
	Detectors: day/night mode, live stream accessed, shock detection Hardware: fan, network, temperature	Included	Installation Guide, Windows® decoder 1-user license, IK10
	Input Signal: virtual inputs, manual trigger	accessories	bumper, High PoE Midspan 1-port, RJ45 connector push pull plug
	MQTT subscribe PTZ: autotracking, error, moving, preset reached, ready Storage: disruption, recording System: system ready	Optional accessories	AXIS T95A64 Corner Bracket AXIS T98A15-VE Media Converter Cabinet A For more accessories, see axis.com
Event actions	Time: use schedule Record video: SD card and network share MQTT publish	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
	Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

T10116227/EN/M25.4/2111 www.axis.com

Warranty 5-year warranty, see axis.com/warranty

EIS and privacy masks cannot be used simultaneously.
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

For more information please contact:



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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	Q.607	4-E PTZ	Network	Camera
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Models	AXIS Q6074-E 50 Hz AXIS Q6074-E 60 Hz		I/O: digital input, manual trigger, virtual input MQTT subscribe
Camera			PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position
Image sensor	1/2.8" progressive scan CMOS		reached, PTZ ready Scheduled and recurring: scheduled event
Lens	4.25–127.5 mm, F1.6–4.2		Video: live stream open
	orizontal field of view: 63.8°-2.6° (720p) Prtical field of view: 38.0°-1.47° (720p) utofocus, auto-iris		Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop quard tour
Day and night	Automatically removable infrared-cut filter		File upload via FTP, SFTP, HTTP, HTTPS network share and email
Minimum illumination	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6		Notification via email, HTTP, HTTPS and TCP MQTT publish
mummation	Color: 0.15 lux at 50 IRE, F1.6	Data streaming	Event data
61.44	B/W: 0.003 lux at 50 IRE, F1.6	Built-in installation aids	Pixel counter, leveling guide
Shutter speed	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz	Analytics	
Pan/Tilt/Zoom	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	AXIS Object Analytics	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
System on chip	o (SoC)	Applications	Included
Model	ARTPEC-7		AXIS Object Analytics AXIS Video Motion Detection, autotracking 2, active gatekeeper
Memory	1024 MB RAM, 512 MB Flash		Basic analytics (not to be compared with third-party analytics):
Compute capabilities	Machine learning processing unit (MLPU)		object removed, enter/exit detector, object counter Supported Support for AXIS Camera Application Platform enabling
Video Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles		installation of third-party applications, see axis.com/acap
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	General Casing	IP66-, IP67-, NEMA 4X- and IK10-rated
Resolution	HDTV 720p 1280x720 to 320x180		Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)
Frame rate	Up to 50/60 fps (50/60 Hz) in HDTV 720p	Sustainability	PVC free
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265	Power	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 14 W, max 51 W
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Connectors	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included
Image settings	e settings 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		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 axis.com
	Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation	Operating conditions	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
Network Security	Password protection, IP address filtering, HTTPS ^a encryption,		(165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)
	IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware,	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
	secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module	Approvals	EMC
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^s , 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)		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 Safety IEC/EN/UL 60950-1, IS 13252
System integra	rtion		IEC/EN/UL 60950-22, IEC/EN/UL 62368-1
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org		Environment 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
Event conditions	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		Network NIST SP500-267 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR

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Weight	3.75 kg (8.3 lb)
Dimensions	Ø232 x 271 mm (Ø9.13 x 10.7 in)
Included accessories	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
Optional accessories	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
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/vms

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

 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



For more information please contact:

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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

Camera			THD+N: < 0.03%
Image sensor	Progressive scan RGB CMOS 1/2.5"		Signal-to-Noise ratio: > 85 dB @ 0 dB gain, > 78 dB @
Lens	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	3.5 mm input	30 dB gain Microphone Power 5 V via 2.2 kOhm Unbalanced external microphone Unbalanced line
Day and night	Automatically removable infrared-cut filter		Line input impedance: >10 k0hm Maximum input level: 2.2 Vrms
Minimum illumination	Color: 0.7 lux at 30 IRE F2.0 1 lux at 50 IRE F2.0 B/W: 0.06 lux at 30 IRE F2.0 0.1 lux at 50 IRE F2.0		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
Shutter speed	1/10000 s to 1 s	3.5 mm output	3.5 mm unbalanced stereo output Output impedance: < 100 Ohm, short circuit proof
Pan/Tilt/Zoom	Pan: ±170°, 0.2-100°/s Tilt: -20° - 90°, 0.2-90°/s Zoom: 20x Optical, 12x Digital, Total 240x 256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed, PTZ response profiles		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
System on chip		SDI output	Bandwidth: 20 Hz - 20 kHz (±3 dB)
Model	ARTPEC-7		THD+N: < 0.03% Signal-to-Noise ratio: > 87 dB
Memory	2 GB RAM, 512 MB Flash	HDMI output	Bandwidth: 20 Hz - 20 kHz (±3 dB)
Video			THD+N: < 0.03%
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	Network	Signal-to-Noise ratio: > 87 dB
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Security	Password protection, IP address filtering, HTTPS ^a encryption,
Resolution	3840x2160 HDTV 2160p to 160x90 HDMI Output: 2160p@25/30 fps (50/60 Hz) 1080p@25/30/50/60 fps (50/60 Hz)		IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot
	1080i@50/60 fps (50/60 Hz) 720p@50/60 fps (50/60 Hz) 480p@60 fps (60 Hz) SDI Output: 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)	Supported protocols	IPv4/v6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMf v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, SIP, LLDP, CDP, MQTT, Syslog, Link-Local address (ZeroConf), HDMI, 3G-SDI, VISCA
	720p@50/60 fps (50/60 Hz)	System integration	
Frame rate	Up to 30/25 fps (60/50 Hz) in 4K Up to 60/50 fps (60/50 Hz) in all other resolutions	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration witl Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.
Video streaming	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)	Event conditions	Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Call: state, state change
Image settings	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		Device status: above operating temperature, above or below operating temperature, below operating temperature, IP addre removed, network lost, new IP address, storage failure, system ready, within operating temperature
Audio			Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input
Audio streaming	Two-way, stereo HD-SDI: SMPTE ST 299-1 3G-SDI: SMPTE ST 299-2		MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready
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	Event actions	Scheduled and recurring: scheduled event Video: average bitrate degradation, live stream open MQTT publish Record video: SD card and network share
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		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

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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 axis.com/acap
General	
Casing	ASA plastic cover Color: White NCS S 1002-B
Power	11–13 V DC (12 V power supply included), typical 17.5 W, max 20 W
Connectors	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
Storage	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 axis.com
Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10-85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5 – 95% RH (non-condensing)
Approvals	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
Dimensions	Height: 180 mm (7.1 in) ø 136 mm (5.4 in)
Weight	1.5 kg (3.3 lb)
Included accessories	Power supply, wall/ceiling mount, terminal connector for I/O, installation guide, Windows® decoder user license, Camstreamer 3-month trial
Optional accessories	AXIS T8310 Video Surveillance Control Board AXIS VISCA Cable For more accessories, see <i>axis.com</i>
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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

For more information please contact:



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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







Models	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	
Camera Image sensor	1/2.8" Progressive scan CMOS	Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe		
Lens	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		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	
Day and night	Automatically removable infrared-cut filter	Event actions	Record video: SD card and network share	
Minimum illumination	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		Pre- and post-alarm video or image buffering for recording or upload Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, networl share, and email Notification: email, HTTP, HTTPS, TCP, and SNMP trap	
Shutter speed	1/66500 s to 2s		PTZ: PTZ preset, guard tour Overlay text, day/night mode	
Pan/Tilt/Zoom	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		WDR mode IR illumination MQTT publish	
	duration 16 minutes each), guard tour (max 100), control	Data streaming	Event data	
	queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, speed dry	Built-in installation aids	Pixel counter, leveling guide	
System on chip	. ,	Analytics		
Model	ARTPEC-7	AXIS Object	Object classes: humans, vehicles	
Memory	1024 MB RAM, 512 MB Flash	Analytics	Trigger conditions: line crossing, object in area Up to 10 scenarios	
Compute capabilities	Machine learning processing unit (MLPU)		Metadata visualized with color-coded bounding boxes Polygon include/exclude areas	
Video Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles		Perspective configuration ONVIF Motion Alarm event	
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Applications	Included AXIS Object Analytics	
Resolution	1920x1080p (HDTV 1080p) to 320x180		AXIS Video Motion Detection, Autrotracking 2, Active Gatekeeper Support for AXIS Camera Application Platform enabling	
Frame rate	Up to 50/60 fps (50/60 Hz) in 1080p		installation of third-party applications, see axis.com/acap	
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	Casing	IKO8, IK10 housing and mounting ^b , IP66- and NEMA 4X-rated Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology	
Image settings	Compression, saturation, brightness, sharpness, contrast, local	Sustainability	PVC free	
	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	Power	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	
Audio	mulviduai polygon privacy masks	Connectors	RJ45 10BASE-T/100BASE-TX PoE RJ45 Push-pull Connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology	
Audio input/output	Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology			
Network	interfaces with porteast technology	IR illumination	OptimizedIR with power-efficient, long life 850 nm IR LEDs	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a 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		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	
		Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS)	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS³, HTTP/2, TLS³, 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, NTCIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local	Operating conditions	For SD card and NAS recommendations see axis.com 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	
System integra	address (ZeroConf)		(165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F)	
Application	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org Analytics Device status: above operating temperature, above or below operating temperature, fan failure,	Storage	Humidity 10–100% RH (condensing) -40 °C to 70 °C (-40 °F to 158 °F)	
		conditions Approvals	Humidity 5-95% RH (non-condensing) EMC	
Event conditions			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	

T10144009/EN/M14.2/2111 www.axis.com

	KC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk group 2, IS13252 Environment IEC/EN 62262 IKO8, 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, IS04892-2 Network NIST SP500-267 For midspan approvals, see: axis.com/products/axis-t8154-60-w-sfp-midspan
Dimensions	Height: 241 mm (9.5 in) ø 165 mm (6.4 in)
Weight	3 kg (6.6 lb)
Included accessories	IP66-rated RJ45 connector kit, AXIS High PoE 60 W SFP Midspan, installation guide, Windows decoder 1-user licence

Optional accessories	AXIS T91/T94 Mounting Accessories, Axis High PoE midspans For more accessories, see <i>axis.com</i>
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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).
 b. Mounting not included

Environmental responsibility:

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