

AXIS M1065-L Network Camera

Full-featured HDTV 1080p camera with PoE and edge storage

AXIS M1065-L has a built-in microphone for recording audio, a mini-speaker that can announce pre-recorded messages and a PIR motion sensor for detecting movement even in the dark. This Power over Ethernet enabled camera offers HDTV 1080p resolution at full frame rate, day and night functionality with a mechanical IR cut filter and IR illumination. It is easy to install with included wall and corner bracket, and has a 110° horizontal field of view. The camera also features WDR and supports microSD card for edge storage.

- > Built-in microphone and mini-speaker
- > PIR motion sensor
- > Power over Ethernet
- > Bracket for wall and corner mount
- > IR illumination







T10066561/EN/M19.5/2102 www.axis.com

AXIS M1065-L Network Camera

Camera		
Image sensor	1/3" progressive scan RGB CMOS	
Lens	Fixed focal length, 2.8 mm, F2.0 Horizontal field of view: 110° Vertical field of view: 61° M12 mount, fixed iris, IR corrected	
Day and night	Automatically removable IR cut filter	
Minimum illumination	Color: 0.25 lux at 50 IRE F2.0 B/W: 0.05 lux at 50 IRE F2.0, 0 lux with IR illumination on	
Shutter speed	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz	
Pan/Tilt/Zoom	Digital PTZ	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG	
Resolution	1920x1080 HDTV 1080p to 320x240	
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	
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	
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, day/night shift level, rotation: 0°, 180°, text and image overlay, privacy masks, mirroring of images WDR, rotation: 0°, 90°, 180°, 270°, including Corridor Format	
Audio		
Audio streaming	Two-way, half duplex	
Audio encoding	24bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz Configurable bit rate	
Audio input/output	Built-in microphone (can be disabled), Built-in speaker 82 dB-SPL (at 0.5 m / 20 in)	
Network		
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log Brute force delay protection	
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^b , SSL/TLS ^b , CIFS/SMB, Bonjour, UPnP TM , NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS	
System integra	rtion	
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 G, ONVIF® Profile S and ONVIF® Profile T; specifications at <i>onvif.org</i>	
Event triggers	Analytics, edge storage events Built-in PIR	
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP, HTTPS and TCP Video and audio recording to edge storage, activation of IR-LED, audio clip playback, overlay text Pre- and post-alarm video buffering	
Data streaming	Event data	
Built-in installation aids	Pixel counter	
Analytics		
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection active tomography along	

	installation of third-party applications, see axis.com/acap
General	
Cybersecurity	Signed firmware
Casing	Polycarbonate, aluminum, recycled plastic Color: White NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Sustainability	PVC-free, 64% recycled plastic
Mounting	1/4"–20 UNC tripod screw thread
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 2.7 W, max 4.8 W 4.75–5.25 V DC, typical 2.5 W, max 4.7 W
IR illumination	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
Connectors	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX POE
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 axis.com
PIR sensor	Passive infrared (PIR) motion sensor. Max range: 6 m (19.7 ft)
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 B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 32 Class B, KN24, KN35 Safety IEC/EN/UL 60950-1, IEC/EN 62471 Network NIST SP500-267
Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)

AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling

Supported

5-year warranty, see axis.com/warranty

Installation guide, mounting bracket, table top stand, Windows®

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. 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:

Weight

Included

accessories Optional

accessories

management software

Languages

Warranty

Video

axis.com/environmental-responsibility

For more information please contact:



134 g (0.30 lb)

axis.com/vms

decoder 1-user license

AXIS T8415 Installation Display AXIS T91A10 Mounting Kit

For more accessories, see axis.com

AXIS Companion video management software, AXIS Camera Station, Video management software

from Axis' Application Development Partners available at

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

BOCK OPTRONICS INC.

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Tel: (416) 674-2804 sales@bockoptronics.ca www.bockoptronics.ca



AXIS Video Motion Detection, active tampering alarm



AXIS M1045-LW Network Camera

Wireless HDTV 1080p camera with edge storage and IR illumination

AXIS M1045-LW features wireless communication and supports microSD card for edge storage. The WDR enabled camera offers 1080p resolution at full frame rate, day and night functionality with a mechanical IR cut filter and IR illumination. It is easy to install with included wall and corner bracket, and has a 110° horizontal field of view.

- > Wireless communication and edge storage
- > IR illumination
- > Bracket for wall and corner mount
- > HDTV 1080p resolution at 30 fps
- > WDR







T10066562/EN/M22.5/2102 www.axis.com

AXIS M1045-LW Network Camera

Camera	
Image sensor	1/3" progressive scan RGB CMOS
Lens	Fixed focal length, 2.8 mm, F2.0 Horizontal field of view: 110° Vertical field of view: 61° M12 mount, fixed iris, IR corrected
Day and night	Automatically removable IR cut filter
Minimum illumination	Color: 0.25 lux at 50 IRE F2.0 B/W: 0.05 lux at 50 IRE F2.0, 0 lux with IR illumination on
Shutter speed	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz
Pan/Tilt/Zoom	Digital PTZ
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG
Resolution	1920x1080 HDTV 1080p to 320x240
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions
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
lmage settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, day/night shift level, rotation: 0°, 180°, text and image overlay, privacy masks, mirroring of images WDR, rotation: 0°, 90°, 180°, 270°, including Corridor Format
Network	
Wireless interface	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5.2 GHz (channels 36, 40, 44, 48)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log WPA/WPA2-PSK, WPA, WPA2 Enterprise, WLAN pairing button (WPS) PBC-compatible, Brute force delay protection
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^b , SSL/TLS ^b , CIFS/SMB, Bonjour, UPnP TM , NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS
System integra	
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; specifications at onvif.org
Event triggers	Analytics, edge storage events
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP, HTTPS and TCP Video recording to edge storage, activation of IR-LED, overlay text Pre- and post-alarm video buffering
Data streaming	Event data
Built-in installation aids	Pixel counter
Analytics	
Applications	Included

	Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
General	
Cybersecurity	Signed firmware
Casing	Polycarbonate, aluminum, recycled plastic Color: White NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Sustainability	PVC-free, 64% recycled plastic
Mounting	1/4"-20 UNC tripod screw thread
Memory	512 MB RAM, 256 MB Flash
Power	4.75-5.25 V DC, typical 2.7 W, max 4.4 W
IR illumination	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
Connectors	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX
Storage	Support for microSD/microSDHC/microSDXC card Support for 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 B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 32 Class B, KN24, KN35 Wireless EN 300328, EN 301489-1, EN 301489-17, EN 301893, FCC Part 15 Subpart C, FCC Part 15 Subpart E, RSS-247, TELEC Safety IEC/EN/UL 60950-1, IEC/EN 62471 Network NIST SP500-267
Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
Weight	126 g (0.28 lb)
Included accessories	Power supply, installation Guide, mounting bracket, table top stand, Windows® decoder 1-user license
Optional accessories	AXIS T8415 Installation Display AXIS T91A10 Mounting Kit AXIS Surveillance microSDXC™ Card 64 GB For more accessories, see axis.com
Video management software	AXIS Companion video management software, AXIS Camera Station, Video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified

5-year warranty, see axis.com/warranty

Chinese, Japanese, Korean, Portuguese, Traditional Chinese

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. 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:

Warranty

axis.com/environmental-responsibility



For more information please contact:

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AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard

AXIS Video Motion Detection, active tampering alarm

AXIS Cross Line Detection, AXIS Digital Autotracking

Supported



AXIS Q1647 Network Camera

5 MP video with 1/2" sensor and i-CS lens

With AXIS Q1647 Network Camera it's easier than ever to capture everything. High resolution at full frame rate, i-CS lens, and 1/2" sensor ensures outstanding details and sharp images. Even in challenging or low light, Forensic WDR and Lightfinder ensures details will be discovered. To minimize vibrations, electronic image stabilization (EIS) keeps the image steady. AXIS Q1647 enables proactive surveillance with preinstalled AXIS Motion Guard and AXIS Fence Guard. Orientation aid enables street view and compass rose for quick orientation with multiple monitors, and Zipstream optimizes the video stream to maintain high video quality while saving bandwidth and storage.

- > 5 MP resolution at 25/30 fps
- > 1/2" sensor
- > Forensic WDR and Lightfinder
- > Electronic image stabilization (EIS)
- > AXIS Motion Guard and AXIS Fence Guard







AXIS Q1647 Network Camera

Image sensor Lens	1/2" progressive scan RGB CMOS		ONIVIE® Profile T chedifications at anyiford	
Lens			ONVIF® Profile T, specifications at onvif.org	
	Varifocal, IR corrected, CS-mount 3.9-10.0 mm, F1.5 5.3 MP (16:9): Horizontal field of view: 110°-44° Vertical field of view: 59°-24° 4 MP (16:9): Horizontal field of view: 95°-38° Vertical field of view: 52°-21° 5 MP (4:3): Horizontal field of view: 92°-37° Vertical field of view: 68°-27° i-CS lens	Event conditions	Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MOTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready	
Day and night	Automatically removable infrared-cut filter		Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream	
Minimum illumination	5 MP 25/30 fps with WDR and Lightfinder: Color: 0.12 lux at 50 IRE, F1.5; B/W: 0.02 lux at 50 IRE, F1.5 4 MP 50/60 fps: Color: 0.24 lux at 50 IRE, F1.5, B/W; 0.04 lux at 50 IRE, F1.5	Event actions	open, tampering File upload: FTP, SFTP, HTTP, HTTPS, network share and email, send video clip Notification: email, HTTP, HTTPS and TCP	
Shutter speed	1/100000 to 2 s		Overlay text, Send SNMP Trap	
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Video and audio recording to edge storage Pre- and post-alarm video buffering	
System on chi	o (SoC)		External output activation, day/night vision mode, play audio clip	
Model	ARTPEC-6		status LED, WDR mode, defog mode, PTZ control MQTT publish	
Memory	1 GB RAM, 512 MB Flash	Data streaming	Event data	
Video Video compression	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile Motion JPEG	Built-in installation aids	i-CS: Remote zoom and focus Other lens: Remote back focus Traffic wizard, pixel counter, levelling assistant, autorotation	
Resolution	3072x1728 to 320x180	Analytics	nume means, pixel counter, revening assistant, autorotation	
Frame rate	5 MP with WDR: 25/30 fps with power line frequency 50/60 Hz 4 MP without WDR: 50/60 fps with power line frequency 50/60 Hz	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio	
Video streaming	ning Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth detection Supported AXIS Digital Autotracking Support for additional applications in		Supported AXIS Digital Autotracking Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis	
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR – 120 dB, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270°	Con onel	Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
	including corridor format, mirroring of images, dynamic text overlay, image overlay, privacy masks, defogging, noise reduction, electronic image stabilization, barrel distortion correction, orientation aid, fine tuning of behavior at low light	General Casing	Metal (zinc) Color lid: Silver - RAL 9006 Color chassi: Black - NCS S 9000-N	
	Scene profiles: forensic, vivid, traffic overview, backlit entrance	Sustainability	PVC free	
Audio Audio streaming Audio encoding	Two-way, full duplex AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz,	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5.3 W, max 10.8 W 8–28 V DC, typical 6.4 W, max 11.2 W	
	Opus 8/16/48 kHz Configurable bit rate	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE I/O: 6-pin 2.5 mm terminal block for four configurable	
Audio input/output	External balanced/unbalanced microphone or line input, line output, built-in microphone, automatic gain control 24 bit AD/DA-conversion		inputs/outputs (12 V DC output, max load 50 mA) RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)	
Network		Storage	Support for microSD/microSDHC/microSDXC card	
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		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	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour),	Operating conditions	-20 °C to 60 °C (-4 °F to 140 °F) Humidity 10–85% RH (non-condensing)	
	UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local	Storage conditions Approvals	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
	address (ZeroConf).	Whiteas	EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024,	
System integro Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-Click Cloud Connection		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 Safety IEC/EN/UL 62368-1, IS 13252	

www.cxis.com T10102631/EN/M21.4/2111

	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	82 x 66 x 210 mm (3.23 x 2.60 x 8.25 in)
Weight	950 g (2.1 lb)
Included accessories	Stand, connector kit, resistorx® T20 tool, installation guide, Windows® decoder 1-user license
Optional lenses	Fujinon Varifocal Lens 8-80 mm, DC-iris Lens CS 12-50 mm F1.4 P-Iris 8 MP Lens i-CS 9-50 mm F1.5 8 MP
Optional accessories	AXIS T90B Illuminators, AXIS T92G Housings, AXIS T93F Housings, Axis network cable couplers, AXIS T8129 PoE Extender, AXIS T8415 Wireless Installation Tool, Axis midspans

For more accessories, see axis.com
AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
5-year warranty, see axis.com/warranty
5-year warranty, see axis.com/warranty cludes software developed by the OpenSSL Project for use in the t (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.

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AXIS P1377-LE Network Camera

Fully-equipped 5 MP surveillance for the great outdoors

With a robust design, AXIS P1377-LE offers excellent 5 MP video and can withstand extreme temperatures ranging from -40 °C to 60 °C (-40 °F to 140 °F). For extra protection an optional weathershield is available. It delivers great details in challenging or low light and includes Axis OptimizedIR for surveillance in pitch darkness. Designed as a deterrent, it includes electronic image stabilization, shock detection, tampering alarm and video streaming indicator. Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage. Plus, with CS mount and support for motorized i-CS, you can easily change lens to meet your requirements.

- > 30 fps in 5 MP or up to 180 fps in HDTV 720p
- > OptimizedIR and Forensic WDR
- > Signed firmware and secure boot
- > Electronic image stabilization
- > Zipstream supporting H.264 and H.265









AXIS P1377-LE Network Camera

Camera		Application	Open API for software integration, including VAPIX® and	
Image sensor	age sensor 1/2.7" progressive scan RGB CMOS		AXIS Camera Application Platform, specifications at axis.com	
Lens	IR corrected, CS-mount lens, P-Iris Varifocal 2.8-8 mm, F1.2 Horizontal field of view: 90°-38° Vertical field of view: 67°-28°	Interface	AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at <i>onvif.org</i>	
Day and night	Automatically removable infrared-cut filter	Onscreen controls	Electronic image stabilization Day/night shift	
Minimum illumination	- ····/ ·/ ······ · · · · · · · ·		Defogging Wide dynamic range Analytics, shock detection, open casing, edge storage events,	
Shutter speed	0 lux with IR illumination on WDR: 1/33500 s to 1/5 s	33	supervised external input, audio level, time scheduled MQTT subscribe	
	No WDR: 1/50000 s to 1/5 s	Event actions	File upload: FTP, SFTP, HTTP, HTTPS, network share and email	
System on chip			Notification: email, HTTP, HTTPS and TCP External output activation	
Model	ARTPEC-7		Video recording to edge storage, Play audio clip	
Memory Compute capabilities	1 GB RAM, 512 MB Flash Machine learning processing unit (MLPU)		Pre- and post-alarm video buffering PTZ preset, Guard tour, Overlay text Day/Night switching, Status LED activation	
•			MQTT publish	
Video Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	Data strooming	Send SNMP trap Event data	
compression	H.265 (MPEG-H Part 2/HEVC) Motion JPEG	Built-in installation aids	Focus assistant, pixel counter, remote back focus, autorotation, remote focus and zoom and with optional i-CS lens.	
5 1 4	Controllable frame rate and bandwidth	Analytics	remote rocas and zoom and man optional ross rens.	
Resolution	2592x1944 (5 MP) to 160x90 2688x1512 (4 MP) to 160x90 1280x720 (HDTV 720p) to 160x90	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area Up to 10 scenarios	
Frame rate	Capture mode 5 MP: 25/30 fps (50/60 Hz) Capture mode 4 MP: 25/30 fps (50/60 Hz) Capture mode HDTV 720p: 180 fps		Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration	
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	Applications	ONVIF Motion Alarm event Included AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Live Privacy Shield, AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling	
Multi-view streaming	VBR/ABR/MBR H.264/H.265 Video streaming indicator Up to 8 individually cropped out view areas			
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to	Q	installation of third-party applications, see axis.com/acap	
	120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization,	General Casing	IP66-, IP67- and NEMA 4X-rated, IK10 impact-resistant polymerenclosure with aluminium base and intrusion alarm switch Weathershield with black anti-glare coating Color: White NCS S 1002-B	
	barrel distortion correction, scene profiles: forensic, vivid, traffic	Sustainability	PVC free	
	overview	Power	12–28 V DC, max 19.1 W, typical 10.5 W	
Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)	rower	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class max 20.4 W, typical 11.1 W	
Audio Audio streaming	Two-way, full duplex		With disabled IR: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 12.95 W,	
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz		typical 6.7 W Power redundancy	
	Configurable bit rate	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T	
Audio input/output	External microphone input, line input, digital input with ring power, line output, automatic gain control External microphone input, line input, digital input with ring and 2 outputs and 2 outputs RS485/RS422, 2 pcs. 2 pos. full duplex, terminal block, for 2 suppose for the control and 2 outputs			
Network	Decreased and testing ID. 11. Cit. 1. LITTEC?		DC input, terminal block 3.5 mm mic/line in, 3.5 mm line out	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest		i-CS connector (compatible with P-Iris and DC-iris)	
	IEEE 802.1X (EAP-ILS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot		OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range 50 m (164 ft) or more, depending on the scene	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^m , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP,	Storage	Support for microSD/microSDHC/microSDXC 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	
G	SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)	
System integra	non		Humidity 10–100% RH (condensing)	

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	Wind load (sustained): 55 m/s (123 mph)
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 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, EC 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 IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252 Environment IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 60068-2-14, IEC 60068-2-77, IEC 60068-2-78, IEC/EN 62262 IK10 Network NIST SP500-267
Dimensions	404 x 159 x 168 mm (15.9 x 6.3 x 6.6 in)
Weight	2.4 kg (5.3 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit IK10 tool Torx® T20 screw driver, Torx® T30 screw bit AXIS P13 Weathershield Kit A

	Pre-mounted AXIS Fixed Box IR Illuminator Kit A
Optional lenses	Lens Computar i-CS 2.8-8.5 mm Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 9-50 mm F1.5 8 MP Tamron 5MP Lens P-Iris 8-50 mm F1.6 Theia Varifocal Ultra Wide Lens 1.8-3.0 mm
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS P13 Weathershield Extension A AXIS T8355 Digital Microphone AXIS T99A10 Positioning Unit 24 V AC/DC 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

 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 Q1647-LE Network Camera

5 MP video with 1/2" sensor and OptimizedIR

With AXIS Q1647-LE Network Camera it's easier than ever to capture everything. High resolution at full frame rate, i-CS lens and 1/2" sensor ensure outstanding details and sharp images. Even in challenging or low light scenes, Forensic WDR and Lightfinder ensure that details will be unveiled. The robust aluminum housing resists extreme temperatures, and comes with built-in IR LED illumination for surveillance in complete darkness. AXIS Q1647-LE enables proactive surveillance with pre-installed AXIS Guard Suite and orientation aid for quick orientation with multiple monitors. Zipstream optimizes the video stream to maintain high video quality while saving bandwidth and storage.

- > 5 MP resolution at 25/30 fps
- > 1/2" sensor
- > Forensic WDR and Lightfinder
- > Electronic image stabilization (EIS)
- > AXIS Motion Guard, AXIS Fence Guard and AXIS Loitering Guard







AXIS Q1647-LE Network Camera

Camera			One-click cloud connection
Image sensor	1/2" progressive scan RGB CMOS		ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and
Lens	Varifocal, IR corrected, CS-mount 3.9–10.0 mm, F1.5 5.3 MP (16:9): Horizontal field of view: 92°–44° Vertical field of view: 50°–24° 4 MP (16:9): Horizontal field of view: 95°–38° Vertical field of view: 52°–21° 5 MP (4:3): Horizontal field of view: 81°–37° Vertical field of view: 60°–27° i-CS lens	Event conditions	ONVIF® Profile T, specifications at <i>onvif.org</i> Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, casing open, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MOTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position
Day and night	Automatically removable infrared-cut filter		reached, PTZ ready Scheduled and recurring: scheduled event
Minimum illumination	5 MP 25/30 fps with WDR and Lightfinder: Color: 0.12 lux at 50 IRE, F1.5; B/W: 0.02 lux at 50 IRE, F1.5 4 MP 50/60 fps: Color: 0.24 lux at 50 IRE, F1.5, B/W; 0.04 lux at 50 IRE, F1.5 0 lux with IR illumination on	Event actions	Video: average bitrate degradation, day-night mode, live stream open, tampering File upload: FTP, SFTP, HTTP, HTTPS, network share and email, send video clip Notification: email, HTTP, HTTPS and TCP
Shutter speed	1/100000 to 2 s		Overlay text, Send SNMP Trap
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Video and audio recording to edge storage Pre- and post-alarm video buffering
System on chip			External output activation, day/night vision mode, play audio clip
Model	ARTPEC-6		status LED, WDR mode, defog mode, PTZ control MQTT publish
Memory	1 GB RAM, 512 MB Flash	Data streaming	Event data
Video		Built-in	i-CS: Remote zoom and focus
Video compression	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile Motion JPEG	installation aids	Other lens: Remote back focus Traffic wizard, pixel counter, levelling assistant, autorotation
Resolution	3072x1728 to 320x180	Analytics	
Frame rate Video streaming	5 MP with WDR: 25/30 fps with power line frequency 50/60 Hz 4 MP without WDR: 50/60 fps with power line frequency 50/60 Hz Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Digital Autotracking, AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR –	General	
gc secungs	120 dB, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, dynamic text overlay, image overlay, privacy masks, defogging, noise reduction, electronic image stabilization, barrel distortion correction, orientation aid, fine tuning of behavior at low light	Casing	IP66-, IP67-, NEMA 4X- and IK10-rated Metal (Aluminium) Color front: Black - NCS S 9000-N Color chassi: White - NCS S 1002-B Intrusion alarm switch
	Scene profiles: forensic, vivid, traffic overview, backlit entrance	Sustainability	PVC free
Audio	Two-way, full duplex	Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 12.3 W, max 25.5 W
Audio encoding Audio		Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs (12 V DC output, max load 50 mA) RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out
input/output	output, automatic gain control 24 bit AD/DA-conversion	IR illumination	i-CS connector (compatible with P-Iris and DC-iris) OptimizedIR with power-efficient, long-life 850 nm IR LEDs
Network		Chauses	Range of reach 30 m (98 ft) or more depending on the scene
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	Storage	Support for microSD/microSDHC/microSDXC 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
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6,	Operating conditions Storage	Arctic temperature control: Start-up at -40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing) -40 °C to 65 °C (-40 °F to 149 °F)
	ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf).	conditions	Humidity 5–95% RH (non-condensing)
System integro Application Programming Interface	Notion Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection	Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 50121-4, IEC 62236-4, 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

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	Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, 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 IP66/67, IEC/EN 62262 IK10, NEMA 250 Type 4X NetworkNIST SP500-267 Other IEC 62471
Dimensions	178 x 206 x 494 mm (7 x 8.11 x 19.45 in)
Weight	6350 g (13.2 lb)
Included accessories	AXIS T94Q01A Wall Mount, AXIS T92G20 Outdoor Housing, connector kit, resistorx® T20 tool, installation guide, Windows® decoder 1-user license
Optional lenses	Fujinon Varifocal Lens 8-80 mm, DC-iris Lens CS 12-50 mm F1.4 P-Iris 8 MP Lens i-CS 9-50 mm F1.5 8 MP

Optional accessories	AXIS T90B Illuminators, Axis network cable couplers, AXIS T8129 PoE Extender, AXIS T8415 Wireless Installation Tool, Axis midspans 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
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.

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AXIS P1375 Network Camera

Stable, 2 MP surveillance under any circumstances

AXIS P1375 Network Camera offers excellent video even in vibrating conditions and features scene profiles for automatically adjusted settings to suit specific scenes. Enhanced security features such as signed firmware and secure boot ensure the integrity and authenticity of the camera's firmware. Furthermore, features such as tampering alarm and video streaming indicator ensure full control of the video. With Lightfinder and Forensic WDR, the camera provides details even in challenging light conditions and thanks to Zipstream, storage and bandwidth are significantly reduced. The camera's CS mount enables flexibility to change to bigger or more intelligent lenses, such as i-CS lenses.

- > HDTV 1080p at up to 60 fps
- > Electronic image stabilization
- > Signed firmware and secure boot
- > Lightfinder 2.0 and Forensic WDR
- > Zipstream with H.264 and H.265







AXIS P1375 Network Camera

Compose		Aunlinstinu	Once ADI for a fiture interesting including VADIV® and
Camera Image sensor	1/2.8" progressive scan RGB CMOS	Application Programming	Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at axis.com
Lens	Lens CS 2.8–8 mm F1.2 P-Iris 5 MP Horizontal field of view: 124°–42° Vertical field of view: 65°–24°	Interface	One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <i>onvif.org</i>
Day and night			Electronic image stabilization
Minimum	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:	controls	Day/night shift Defogging
illumination	Color: 0.05 lux, at 50 IRE F1.2 B/W: 0.01 lux, at 50 IRE F1.2 HDTV 1080p 50/60 fps with Lightfinder: Color: 0.10 lux, at 50 IRE F1.2 B/W: 0.02 lux, at 50 IRE F1.2	Event triggers	Wide dynamic range Analytics, shock detection, edge storage events, supervised external input, audio level, time scheduled Hardware: network, ring power overcurrent protection MQTT subscribe
Shutter speed	WDR: 1/34500 s to 2 s No WDR: 1/66500 s to 2 s	Event actions	MQTT publish Record video: SD card and network share
System on chip	o (SoC)		Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network
Model	ARTPEC-7		share and email Pre- and post-alarm video or image buffering for recording or
Memory	1 GB RAM, 512 MB Flash		upload
Compute capabilities	Machine learning processing unit (MLPU)		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, play audio clip, WDR
Video Video	LLOCA (MDEC) A Dart 10/A)/C) Darating Main and High Durfler		mode, day/night mode
compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC)	Data streaming	Event data
Resolution	Motion JPEG	Built-in installation aids	Focus assistant, pixel counter, remote back focus, autorotation
	1920x1080 (HDTV) to 160x90	Analytics	
Frame rate	WDR: 25/30 fps (50/60 Hz) No WDR: 50/60 fps (50/60 Hz)	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area
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 Video streaming indicator	Applications	Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Multi-view streaming	-view Up to 8 individually cropped out view areas		Included AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic overview		detection Supported AXIS Live Privacy Shield Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner. Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Pan/Tilt/Zoom	Digital PTZ	General	
Audio	Uploadable PTZ driver (Pelco D pre-installed)	Casing	Metal (zinc) Color lid: White NCS S 1002-B Color chassis: Black NCS S 9002-N
	Two-way, full duplex	Mounting	1/4"-20 tripod screw thread
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz		Camera stand included
	Configurable bit rate	Sustainability	PVC free
Audio input/output	External microphone input, line input, digital input with ring power, line output, built-in microphone (can be disabled), automatic gain control	Power	12–28 V DC, max 9.6 W, typical 4.9 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 9.6 W, typical 5.1 W
Network		Connectors	RJ45_10BASE-T/100BASE-TX/1000BASE-T
Security Supported	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 IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a ,		I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs and 2 outputs RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal block, 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris) Security lock slot AXIS T92G20 connector
protocols	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, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Storage	Support for microSD/microSDHC/microSDXC 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
System integro	rtion	Operating conditions	-10 °C to 55 °C (14 °F to 131 °F) Humidity 10-85% RH (non-condensing)

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Storage conditions	$-40~^{\circ}$ C to 65 $^{\circ}$ C (-40 $^{\circ}$ F to 149 $^{\circ}$ F) Humidity 5-95% RH (non-condensing)		Lens CS Lens i-C
Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35	Optional accessories	Axis mo AXIS TO AXIS TS For mor
	Safety IEC/EN/UL 60950-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14,	Video management software	AXIS Co software at axis.o
	IEC 60068-2-27, IEC 60068-2-78 Network NIST SP500-267	Languages Warranty	English, Chinese 5-year v
Dimensions	214 x 80 x 57 mm (8 7/16 x 3 1/8 x 2 1/4 in)	a. This product inc	ludes softv
Weight Included accessories	750 g (1.7 lb) Connector kit, Installation Guide, Windows® decoder 1-user license, stand, Resistorx® L-key TR20, Torx® L-key T6	 OpeńSSL Toolkit (http://wi Eric Young (eay@cryptsoi Environmental responsibility axis.com/environmental-responsibility 	
Optional lenses	Theia Varifocal Ultra Wide Lens 1.8-3.0 mm Lens Computar j-CS 2.8-8.5 mm		

	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 9-50 mm F1.5 8 MP Tamron 5MP Lens P-Iris 8-50 mm F1.6
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS TQ1809-LE Housing T92G AXIS T8355 Digital Microphone 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, Polish
Warranty	5-year warranty, see axis.com/warranty

tware developed by the OpenSSL Project for use in the www.openssl.org/), and cryptographic software written by oft.com).

ponsibility

For more information please contact:



BOCK OPTRONICS INC.

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





AXIS Q1645 Network Camera

High-speed video with 1/2" sensor and i-CS lens

With AXIS Q1645 Network Camera it's easier than ever to capture details even in challenging lighting or low light. The 1/2" sensor and i-CS lens ensure sharp images in high resolution at full frame rate, and with Forensic WDR and Lightfinder, AXIS Q1645 provides superior light sensitivity and excellent image usability. AXIS Q1645 enables proactive surveillance with preinstalled AXIS Motion Guard and AXIS Fence Guard, and orientation aid with compass rose and street names for quick orientation with multiple monitors. Zipstream optimizes the video stream to maintain high video quality while saving bandwidth and storage.

- > HDTV 1080p/2 MP resolution at up to 100/120 fps
- > 1/2" sensor
- > Forensic WDR and Lightfinder
- > Electronic image stabilization (EIS)
- > AXIS Motion Guard and AXIS Fence Guard







AXIS Q1645 Network Camera

Camera			ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and
Image sensor	1/2" progressive scan RGB CMOS		ONVIF® Profile T, specifications at onvif.org
Lens Day and night	Varifocal, IR corrected, CS-mount 3.9–10.0 mm, F1.5 2 MP (16:9): Horizontal field of view: 109°–42° Vertical field of view: 58°–23° i-CS lens Automatically removable infrared-cut filter	Event conditions	Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption
Minimum illumination	1080p 25/30 fps with WDR and Lightfinder: Color: 0.05 lux, at 50 IRE F1.5, B/W: 0.01 lux, at 50 IRE F1.5 1080p 50/60 fps with WDR and Lightfinder: Color: 0.1 lux, at 50 IRE F1.5, B/W: 0.02 lux, at 50 IRE F1.5 1080p 100/120 fps: Color: 0.2 lux, at 50 IRE F1.5, B/W: 0.04 lux, at 50 IRE F1.5 1080p 25/30 fps with WDR and Lightfinder:	Event actions	I/O: digital input, manual trigger, virtual input PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open, tampering File upload: FTP, SFTP, HTTP, HTTPS, network share and email,
	Color: 0.02 lux, at 50 IRE F0.9, B/W: 0.004 lux, at 50 IRE F0.9	LVCIIC actions	send video clip
Shutter speed	1/143000 to 1 s		Notification: email, HTTP, HTTPS and TCP Overlay text, Send SNMP Trap
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Video and audio recording to edge storage
System on chip	o (SoC)		Pre- and post-alarm video buffering External output activation, day/night vision mode, play audio clip
Model	ARTPEC-6		status LED, WDR mode, defog mode, PTZ control
Memory	1 GB RAM, 512 MB Flash	Data streaming	Event data
Video Video compression	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile Motion JPEG	Built-in installation aids	i-CS: Remote zoom and focus Other lens: Remote back focus Traffic wizard, pixel counter, levelling assistant, autorotation
Resolution	1920x1080 to 320x180	Analytics	
Frame rate	HDTV 1080p (1920x1080) with WDR: Up to 50/60 fps with power line frequency 50/60 Hz HDTV 1080p (1920x1080) without WDR: Up to 100/120 fps with power line frequency 50/60 Hz	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio detection
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264		Supported AXIS Digital Autotracking Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner. Support for AXIS Camera Application Platform enabling
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR – 120		installation of third-party applications, see axis.com/acap
dB, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including corridor format, mirroring of images, dynamic text overlay, image overlay, privacy masks, defogging, noise reduction, electronic image stabilization, barrel distortion correction,		General Casing	Metal (zinc) Color lid: Silver - RAL 9006 Color chassi: Black - NCS S 9000-N
	orientation aid, fine tuning of behavior at low light	Sustainability	PVC free
Audio Audio streaming	Scene profiles: forensic, vivid, traffic overview, backlit entrance Two-way, full duplex	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.5 W, max 9.1 W 8–28 V DC, typical 4.3 W, max 9.5 W
Audio encoding	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	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs (12 V DC output, max load 50 mA)
Audio input/output	External balanced/unbalanced microphone or line input, line output, built-in microphone, automatic gain control 24 bit AD/DA-conversion		RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)
Network		Storage	Support for microSD/microSDHC/microSDXC card
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	Oncontinu	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
Cummatd	management, brute force delay protection, signed firmware	Operating conditions	-20 °C to 60 °C (-4 °F to 140 °F) Humidity 10–85% RH (non-condensing)
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, DTD CTTP, CDTD TCD, UPD (MID A), a la control (CMM, DLC), a	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
	RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf).	Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A,
System integra	rtion		ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A,
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		KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, 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

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	Network NIST SP500–267
Dimensions	82 x 66 x 210 mm (3.23 x 2.60 x 8.25 in)
Weight	950 g (2.1 lb)
Included accessories	Stand, connector kit, resistorx® T20 tool, installation guide, Windows® decoder 1-user license
Optional lenses	Fujinon Varifocal Lens 8-80 mm, DC-iris Lens i-CS 9-50 mm F1.5 8 MP Lens CS 12-50 mm F1.4 P-Iris 8 MP Lens i-CS 1/1.8" 3.9-10 mm F1.5 Ricom 2MP Lens DC-iris 8-26 mm F0.9 Tamron Varifocal 5MP Lens 4-13 mm, DC-iris & C-mount
Optional accessories	AXIS T90B Illuminators, AXIS T92G Housings, AXIS T93F Housings, Axis network cable couplers, AXIS T8129 PoE Extender, AXIS T8415 Wireless Installation Tool, Axis midspans

	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 inc OpenSSL Toolkit	ludes software developed by the OpenSSL Project for use in the (openssl.org), and cryptographic software written by Eric Young

 Inis product includes sortware 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 P1375-E Network Camera

Stable, 2 MP surveillance for the great outdoors

With a robust design, AXIS P1375–E Network Camera offers excellent video for outdoor scenes. It handles temperatures between -40 °C to 60 °C (-40 °F to 140 °F) and delivers details even in challenging light conditions or low-light, with Forensic WDR and Lightfinder 2.0. For pitch darkness, an optional IR kit is available. Enhanced security features such as signed firmware and secure boot ensure the integrity and authenticity of the camera's firmware. Furthermore, tampering alarm and video streaming indicator ensure full control of the video. With CS mount and built-in camera rails, a bigger variety of lenses can be used.

- > HDTV 1080p at up to 60 fps
- > Electronic image stabilization and IK10
- > Signed firmware and secure boot
- > Zipstream with H.264 and H.265
- > PoE and DC power







AXIS P1375-E Network Camera

Camera Image sensor	1/2 9" progressive soon BCP CMOS		SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
Lens	1/2.8" progressive scan RGB CMOS Lens CS 2.8–8 mm F1.2 P-Iris 5 MP	System integro	(
Lens	With IK10 protection in the front window Horizontal field of view: 107°-42° Vertical field of view: 57°-24° Without IK10 protection in the front window Horizontal field of view: 124°-42° Vertical field of view: 65°-24°	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org
Day and night	Automatically removable infrared-cut filter	Onscreen	Electronic image stabilization
Minimum illumination	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.05 lux, at 50 IRE F1.2 B/W: 0.01 lux, at 50 IRE F1.2	controls	Day/night shift Defogging Wide dynamic range
	HDTV 1080p 50/60 fps with Lightfinder: Color: 0.10 lux, at 50 IRE F1.2 B/W: 0.02 lux, at 50 IRE F1.2 0 lux with accessory IR illumination on (optional AXIS Fixed Box	Event triggers Event actions	Analytics, shock detection, open casing, edge storage events, supervised external input, audio level, time scheduled MQTT subscribe File upload: FTP, SFTP, HTTP, HTTPS, network share and email
Shutter speed	IR Illuminator Kit A) WDR: 1/34500 s to 2 s No WDR: 1/65500 c to 2 s	Event actions	Notification: email, HTTP, HTTPS and TCP External output activation
System on shir	No WDR: 1/66500 s to 2 s		Video recording to edge storage, Play audio clip Pre- and post-alarm video buffering
System on chip Model	ARTPEC-7		PTZ preset, Guard tour, Overlay text
Memory	1 GB RAM, 512 MB Flash		Day/Night switching, Status LED activation MQTT publish
Compute	Machine learning processing unit (MLPU)	Data streaming	Send SNMP trap Event data
capabilities Video		Built-in	Focus assistant, pixel counter, remote back focus, autorotation,
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	installation aids	remote focus and zoom and with optional i-CS lens.
compression	H.265 (MPEG-H Part 2/HEVC)	Analytics	
	Motion JPEG Controllable frame rate and bandwidth	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area
Resolution	1920x1080 (HDTV) to 160x90	Analytics	Up to 10 scenarios
Frame rate	Forensic WDR: 25/30 fps (50/60 Hz) No WDR: 50/60 fps (50/60 Hz)		Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration
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 Video streaming indicator	Applications	ONVIF Motion Alarm event Included AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Live Privacy Shield, AXIS Perimeter Defender
Multi-view streaming Image settings	Up to 8 individually cropped out view areas Saturation, contrast, brightness, sharpness, Forensic WDR: Up to		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
image settings	120 dB depending on scene, white balance, day/night threshold,	General	
	exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization,	Casing	IP66-, IP67- and NEMA 4X-rated, IK10 impact-resistant polymer enclosure with aluminium base and intrusion alarm switch Weathershield with black anti-glare coating Color: White NCS S 1002-B
	barrel distortion correction, scene profiles: forensic, vivid, traffic overview	Sustainability	PVC free
Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)	Power	12–28 V DC, max 9.7 W, typical 5.3 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 10.3 W, typical 5.9 W
Audio	T. (111.1		With AXIS Fixed Box IR Illuminator Kit A: 12-28 V DC, max
Audio streaming	Two-way, full duplex		19.7 W, typical 5.3 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4,
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz Configurable bit rate		max 20.3 W, typical 5.9 W Power redundancy
Audio input/output Network	External microphone input, line input, digital input with ring power, line output, automatic gain control	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs and 2 outputs RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out
Security	Password protection, IP address filtering, HTTPSa 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	Storage	i-CS connector (compatible with P-Iris and DC-iris) IR illuminator connector Support for microSD/microSDHC/microSDXC card
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP,		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
	RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP,		

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Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing) Wind load (sustained): 55 m/s (123 mph)
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 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, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252 Environment IEC/EN 60529 IP66/IP67, 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, IEC/EN 62262 IK10 Network NIST SP500-267
Dimensions	404 x 159 x 143 mm (15.9 x 6.26 x 5.63 in)
Weight	2.2 kg (4.9 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit IK10 tool Torx® T20 screw driver, Torx® T30 screw bit

	AXIS P13 Weathershield Kit A
Optional lenses	Theia Varifocal Ultra Wide Lens 1.8-3.0 mm Lens Computar i-CS 2.8-8.5 mm Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 9-50 mm F1.5 8 MP Tamron 5MP Lens P-Iris 8-50 mm F1.6
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS Fixed Box IR Illuminator Kit A (range of reach 50 m (164 ft) or more depending on the scene) AXIS P13 Weathershield Extension A AXIS T8355 Digital Microphone AXIS T99A10 Positioning Unit 24 V AC/DC 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 incl OpenSSL Toolkit (eay@cryptsoft.	udes software developed by the OpenSSL Project for use in the (openssl.org/), and cryptographic software written by Eric Young 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 Q1645-LE Network Camera

High-speed video with 1/2" sensor and OptimizedIR

With AXIS Q1645-LE Network Camera it's easier than ever to capture details even in challenging lighting or low light. With a 1/2" sensor and i-CS lens, AXIS Q1645-LE ensures high-resolution images at up to 120 fps and provides superior light sensitivity with Forensic WDR and Lightfinder. The robust aluminum housing resists extreme temperatures, and comes with built-in IR LED illumination for surveillance in complete darkness. AXIS Q1645-LE enables proactive surveillance with pre-installed AXIS Guard Suite and orientation aid for quick orientation with multiple monitors. Zipstream optimizes the video stream to maintain high video quality while saving bandwidth and storage.

- > 2 MP resolution at up to 100/120 fps
- > 1/2" sensor
- > Forensic WDR and Lightfinder
- > Electronic image stabilization (EIS)
- > AXIS Motion Guard, AXIS Fence Guard and AXIS Loitering Guard







AXIS Q1645-LE Network Camera

Camera			ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and	
Image sensor	1/2" progressive scan RGB CMOS		ONVIF® Profile T, specifications at onvif.org	
Lens	Varifocal, IR corrected, CS-mount 3.9–10.0 mm, F1.5 2 MP (16:9): Horizontal field of view: 92°–42° Vertical field of view: 50°–23° i-CS lens	Event conditions	Analytics, external input, edge storage events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, casing open, IP address removed, network lost, new IP address, storafailure, system ready, within operating temperature	
Day and night	Automatically removable infrared-cut filter		Edge storage: recording ongoing, storage disruption	
Minimum illumination	1080p 25/30 fps with WDR and Lightfinder: Color: 0.05 lux, at 50 IRE F1.5, B/W: 0.01 lux, at 50 IRE F1.5 1080p 50/60 fps with WDR and Lightfinder: Color: 0.1 lux, at 50 IRE F1.5, B/W: 0.02 lux, at 50 IRE F1.5 1080p 100/120 fps: Color: 0.2 lux, at 50 IRE F1.5, B/W: 0.04 lux, at 50 IRE F1.5 1080p 25/30 fps with WDR and Lightfinder: Color: 0.02 lux, at 50 IRE F0.9, B/W: 0.004 lux, at 50 IRE F0.9	finder: I/O: digital input, manual trigger, virtual input manual trigger, virtual input model in put manual trigger, virtual input model in put model input manual trigger, virtual input model input		
	0 lux with IR illumination on	Event actions	send video clip	
Shutter speed	1/143000 to 1 s		Notification: email, HTTP, HTTPS and TCP Overlay text, Send SNMP Trap	
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Video and audio recording to edge storage	
System on chip	o (SoC)		Pre- and post-alarm video buffering External output activation, day/night vision mode, play audio clip	
Model	ARTPEC-6		status LED, WDR mode, defog mode, PTZ control	
Memory	1 GB RAM, 512 MB Flash		MQTT publish	
Video		Data streaming	Event data	
Video compression	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile Motion JPEG	Built-in installation aids	i-CS: Remote zoom and focus Other lens: Remote back focus	
Resolution	1920x1080 to 320x180	A so colombiana	Traffic wizard, pixel counter, levelling assistant, autorotation	
Frame rate	HDTV 1080p (1920x1080) with WDR: Up to 50/60 fps with power line frequency 50/60 Hz HDTV 1080p (1920x1080) without WDR: Up to 100/120 fps with power line frequency 50/60 Hz	Analytics Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio	
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264		detection Supported AXIS Digital Autotracking, AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR –	General		
	120 dB, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270°, mirroring of images, dynamic text overlay, image overlay, privacy masks, defogging, noise reduction, electronic image stabilization, barrel distortion correction, orientation aid, fine		IP66-, IP67-, NEMA 4X- and IK10-rated Metal (Aluminium) Color front: Black - NCS S 9000-N Color chassi: White - NCS S 1002-B Intrusion alarm switch	
	tuning of behavior at low light Scene profiles: forensic, vivid, traffic overview, backlit entrance	Sustainability	PVC free	
Audio	Seeme promess foreigner, with a dame sterview, sacking endance	Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 12.3 W, max 25.5 W	
Audio streaming	Two-way, full duplex	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE	
Audio encoding Audio	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 External balanced/unbalanced microphone or line input, line		I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs (12 V DC output, max load 50 mA) RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)	
input/output	output, automatic gain control 24 bit AD/DA-conversion	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 30 m (98 ft) or more depending on the scene	
Network	Description ID address Election LITTEG	Storage	Support for microSD/microSDHC/microSDXC card	
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	Storage	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	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP,	Operating conditions	Arctic temperature control: Start-up at -40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing)	
	RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf).	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
System integra		Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 50121-4,	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection		EC 62236-4, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 50121-4, IEC 62236-4, 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 Safety	

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	IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, 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 IP66/67, IEC/EN 62262 IK10, NEMA 250 Type 4X NetworkNIST SP500-267 Other IEC 62471
Dimensions	178 x 206 x 494 mm (7 x 8.11 x 19.45 in)
Weight	6350 g (13.2 lb)
Included accessories	AXIS T94Q01A Wall Mount, AXIS T92G20 Outdoor Housing, connector kit, resistorx® T20 tool, installation guide, Windows® decoder 1-user license
Optional lenses	Fujinon Varifocal Lens 8-80 mm, DC-iris Lens i-CS 9-50 mm F1.5 8 MP Lens CS 12-50 mm F1.4 P-Iris 8 MP Lens i-CS 1/1.8" 3.9-10 mm F1.5 Ricom 2MP Lens DC-iris 8-26 mm F0.9

	Tamron Varifocal 5MP Lens 4-13 mm, DC-iris & C-mount
Optional accessories	AXIS T90B Illuminators, Axis network cable couplers, AXIS T8129 PoE Extender, AXIS T8415 Wireless Installation Tool, Axis midspans 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

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 M1137 Network Camera

5 MP premium affordable surveillance

AXIS M1137 is an affordable, compact network camera that's easy to install and operate. It supports PoE and redundant DC power, so your data is safeguarded in the event of a power outage. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It includes a CS-mount allowing you to easily change lens to meet your specific requirements. Plus, a built-in microphone allows you to record video with sound. Furthermore, it offers Axis Zipstream with H.264/H.265 to lower bandwidth and storage requirements as well as enhanced security functionality.

- > 5 MP at 30 fps
- > Lightfinder and Forensic WDR
- > Built-in microphone for audio recording
- > Exchangeable CS mount lens
- > Zipstream supporting H.264 and H.265







AXIS M1137 Network Camera

Lens Varifical, IR corrected, CS-mouth, DC-iris, 2.8–13 mm S.MP. Horizontal field of view: 117–244 MP. Horizontal field of view: 187–197 MP. Horizontal fiel	orage failure, system
Lens Vardocal, IR corrected, Cs-mount, DC-irs, 28-13 mm S MP: Horizontal field of view: 1712–245* S MP: Horizontal field of view: 1712–245* S MP: Vectical field of view: 827–191* A MP: Vectical field of view: 827–191* Color: 0.17 Lix at 50 IRE, F1.4 Color: 0.12 Lix at 50 IRE, F1.4 Color: 0.12 Lix at 30 IRE, F1.4 Compute capabilities Memory 1024 MB RAM, 512 MB Flash Compute capabilities Machine learning processing unit (MLPU) Compute capabilities Minimum Machine learning processing unit (MLPU) Machine learning processing unit (MLPU) Machine learning processing unit (MLPU) Compute Capabilities Machine learning processing unit (MLPU) Machine learning processing uni	-
Mornamically removable infrared-cut filter Mornamically filter Mornamicall	nput ['] : tampering
Minimum	vork share and email
System on chip (SoC) Model ARPEC-7 Memory 1024 MB RAM, 512 MB Flash Compute capabilities Wideo Machine learning processing unit (MLPU) Wideo H 264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG Resolution H 265 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG Resolution 4 MP: 2698x1944 to 160x120 Wideo 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 WarpARR/MBR H.264/H.265 Axis Controllable frame rate and bandwidth WarpARR/MBR H.264/H.265 Wideo streaming Axis Forensic WDR: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, barred distortion correction, rotation: 0', 90', 180', 270' Including Corridor Format, aspect ratio correction, text and image overlay, privacy mask, mirroring of images Pan/Tilt/Zoom Digital PTZ Audio Audio streaming Audio in, simplex Audio in mirrory and the disabled Network Security Password protection, IP address filtering, HITES ^a encryption, IEEE 802.1x (EAP-ILS) network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot Input/output Supported Protection, IP address filtering, HITES ^a encryption, IEEE 802.1x (EAP-ILS) network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot Wideo Stram Part Part Part Part Part Part Part Part	eo clip, send SNMP
Model ARTPEC-7 Memory 1024 MB RAM, 512 MB Flash Compute capabilities Vicideo Vicideo Vicideo H. 264 (MPFG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG Resolution 5 MP: 2592x 1944 to 160x120 4 MP: 2688x1512 to 160x90 Willipie, individually configurable streams in H.264, H.265 and Motion JPEG Motion JPEG Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth SPR/JAB/RIMBR H.264/H.267 Social Say System technology in H.264 and H.265 Controllable frame rate and bandwidth SPR/JAB/RIMBR H.264/H.268 Messestings Axis Forensic WDR: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, barrel distortion correction, rotation: 0°, 90°, 180°, 270° including Corridor Format, aspect ratio correction, text and image overlay, privacy mask, mirroring of images Pan/Tilt/Zoom Audio streaming Audio in, simplex Audio encoding Audio in, simplex Audio external individuation, user access log, brute force delay protection, service delay protection, user access log, brute force delay protection, ple address filtering, HTTPS ^a ercryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, ple of Supported protocols Supported Protocols IP44, IP46 USGon, (IMPP4/ICMPA, ETTP, PITP/2, HTTPS ^a , TLS ^a , Quspelf firmware, secure boot Supported Protocols IP44, IP46 USGon, (IMPP4/ICMPA, ETTP, HTTP/2, HTTPS ^a , TLS ^a , Quspelf dispersion, IP46, ARC, IP47, IP4	
Memory 1024 MB RAM, 512 MB Flash Compute capabilities Video Video Video Video Video Video ABESINTED H264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG Resolution A MP: 2592x1944 to 160x120 A MP: 2592x1944 to 160x120 A MP: 2598x1512 to 160x90 Frame rate Up to 25/30 fps in all resolutions Video streaming Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264H.265 Axis Forensic WDR: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure cantrol (including automatic gain control), exposure and control (including aut	
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SMF: 2688x1512 to 160x90	
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shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, barrel distortion correction, rotation: 0°, 90°, 180°, 270° including Corridor Format, aspect ratio correction, text and image overlay, privacy mask, mirroring of images Pan/Tilt/Zoom Pan/Tilt/Zoom Audio Audio streaming Audio in, simplex Audio encoding Audio encoding Configurable bit rate Audio Audio encoding input/output Audio Audio encoding External microphone input or line input, built-in microphone (can be disabled) Network Security Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x [EAP-TLS]a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot Supported PV4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa, QoS Layer 3 DiffServ, FTP, STPP, CIPS/SMB, SMTP, mDNS (Bonjour), UPnP°, SMMP v1/v2c/v3, (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, STP, CP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address Shocks, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address Shocks, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address Shocks, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address	
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Pan/Tilt/Zoom Digital PTZ Audio Audio streaming Audio in, simplex Audio encoding Audio in, simplex Audio encoding Carbon Biland Bila	
Pan/Tilt/Zoom Digital PTZ Audio Audio streaming Audio in, simplex 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 Audio input/output (can be disabled) Network Security Password protection, IP address filtering, HTTPS ^a encryption, lEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot Supported protocols OS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP°, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, STP, CIPS, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address Power over Ethernet (Pob.) IEEE 802.3x (by licital 4.5 W 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.2 W, typical 4.4 W M 8-28 V DC, max 6.6 W, typical 4.4 W M 8-28 V DC, max 6.2 W, typical 4.5 W, typical 4.4 W M 8-28 V DC, max 6.2 W, typical 4.4 W M 8-28 V DC, max 6.2 W, typical 4.4 W M 8-28 V DC, max 6.2 W, typical 4.5 W, typ	
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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 Audio input/output External microphone input or line input, built-in microphone (can be disabled) Network Security Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS)a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot Supported protocols IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa, QoS Layer 3 DiffServ, FTP, STPP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPB, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, STPT, CIP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address Terminal block for one input and one output (max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC input, terminal block 3.5 mm mic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC input, terminal block 3.5 mm ic/line in max load 25 mA) DC	
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authentication, user access log, brute force delay protection, signed firmware, secure boot Supported protocols IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS³, TLS³, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP°, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address authentication, user access log, brute force delay protection, signed and the signed and the second time for the signed firmware, secure boot Approvals EMC EN 55032 Class A, EN 61000-3-2, EN 61000-5-2, FCC Part 15 Su ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZ (AND AS) (AND A	
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	5 Subpart B Class A, S/NZS CISPR 32 Class A,
System integration IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 6236 Environment	1, IS 13252
Application Programming AXIS Camera Application Platform; specifications at axis.com INTERFACE AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection AXIS Camera Application Platform; specifications at axis.com IEC 60068-2-14, IEC 60068-2-27, IEC 60068-114, IEC 60068-2-14, IEC 60068-14, IEC 60068-14, IEC 60068-14, IEC 60068-14, IEC 60068-14, IEC 600	
ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, specification at <i>onvif.org</i> Dimensions 64 x 70 x 179 mm (2.5 x 2.8 x 7.0 in)	
Event conditions Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address	

WWW.CIXIS.COM T10140310/EN/M19.2/2201

Included accessories	AXIS T91A11 Stand White, installation guide, Windows® decoder 1-user license
Optional accessories	AXIS T91A04/AXIS T91A05 Camera Holders, AXIS T91B53 Telescopic Ceiling Mount, AXIS T92E20 and AXIS T93F Housing Series, mains adaptor PS-P terminal connector, AXIS T8006 PS12, AXIS T90B Illuminators, AXIS T8351 Mk II Microphone 3.5 mm
Optional lenses	Computar 12.5-50 mm, DC-iris
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	

 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 Q1615 Mk III Network Camera

For analytics with deep learning

AXIS Q1615 Mk III combines exceptional imaging and video performance with outstanding hardware and processing capabilities to provide the perfect platform for analytics based on artificial intelligence (AI) with deep learning. A fixed box camera with Q-line functionality, it features an innovative dual chipset that is the basis for nuanced and remarkably granular object classification. This advanced hardware offers a unique opportunity to take advantage of tailor-made third-party applications based on deep learning. The dual chipset also makes it possible for preinstalled AXIS Object Analytics to distinguish between bikes, cars, buses, trucks, and so on.

- > Powerful AI with deep learning
- > Granular object classification
- > Support for 3rd-party AI applications
- > Edge-based processing for scalability
- > Premium Axis Q-line camera features







AXIS Q1615 Mk III Network Camera

Camera		Application	Open API for software integration, including VAPIX® and	
Image sensor 1/2.8" Progressive scan RGB CMOS		Programming	AXIS Camera Application Platform; specifications at axis.com	
Lens	Varifocal, IR corrected, CS-mount 2 MP (16:9): 2.8-8.5 mm, F1.2 Horizontal field of view: 116°-40°	Interface Onscreen	AXIS Guardian with One-Click Connection One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specifications at onvif.org	
	Vertical field of view: 61°–22° i–CS lens		Electronic image stabilization Day/night shift Defogging	
Day and night	Automatically removable infrared-cut filter		Wide dynamic range	
Minimum illumination	11511 1000p 20/00 ips inter to ensite 11511 and 21gittimae.		Video streaming indicator Analytics, external input, supervised external input, edge storag events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, IP addres	
Shutter speed	1/125000 to 2 s		removed, network lost, new IP address, shock detection, ring	
System on chip	o (SoC)		power overcurrent protection, storage failure, system ready, within operating temperature	
Model	ARTPEC-7		Edge storage: recording ongoing, storage disruption	
Memory	2048 MB RAM, 1024 MB Flash		I/O: digital input, manual trigger, virtual input MQTT subscribe	
Compute capabilities	Deep learning processing unit (DLPU)		PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready	
Video			Scheduled and recurring: scheduled event Video: live stream open	
Video compression	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Event actions	MQTT publish 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 upload	
Resolution	HDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (WDR):1920x1080 to 160x90 HDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90			
Frame rate	Up to 100/120 fps (50/60 Hz) in 1080p (no WDR)		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour	
Video streaming	ning 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		Overlay text, external output activation, play audio clip, zoom preset, defog mode, PTZ control	
		Data streaming	Event data	
	VBR/ABR/MBR H.264/H.265 Video streaming indicator	Built-in Focus a installation aids oriental	Focus assistant, pixel counter, leveling assistant, camera orientation aid, traffic wizard i-CS: Remote zoom and focus	
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, local contrast, exposure mode, exposure zones,		Other lens: Remote back focus	
		Analytics		
	defogging, electronic image stabilization, barrel distortion correction, compression, rotation: auto, 0°, 90°, 180°, 270° including Corridor Format, dynamic text and image overlay, polygon privacy mask, mirroring of images Scene profiles: forensic, vivid, traffic overview	AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas	
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)			
Audio			Perspective configuration ONVIF Motion Alarm event	
Audio streaming	***	Applications	Included	
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	Applications	AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection	
Audio input/output	External microphone input, line input, digital input with ring power, built-in microphone (can be disabled), balanced microphone, balanced input, automatic gain control, line output 24 bit AD/DA-conversion		Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner. Support for AXIS Camera Application Platform enabling	
Network		G1	installation of third-party applications, see axis.com/acap	
	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest	General Casing	Casing: Metal (zinc)	
	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		Color lid: Silver RAL 9006 Color chassi: Black - NCS S 9000-N	
		Mounting	1/4"-20 tripod screw thread Camera stand included	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , OoS Laver 3 DiffSery, FTP, CIFS/SMB, SMTP, mDNS, (Bonjour)	Sustainability	PVC free, BFR/CFR free	
p. ococois	cols QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 12.95 W, typical 8.2 W 10-28 V DC, max 12.1 W, typical 8.3 W Power redundancy	
System integra	rtion	Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE DC input	

WWW.CXIS.COM T10147592/EN/M15.2/2201

	I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs(12 V DC output, max load 50 mA). Two of the ports can be supervised. RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris) AXIS T92G20 connector
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	-10 °C to 55 °C (14 °F to 131 °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 61000-3-2, EN 61000-3-3, EN 55024, EN 55035, 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, EAC, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1 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	82 x 58 x 195 mm (3.2 x 2.3 x 7.7 in)
Weight	1120 g (2.5 lb)
Included accessories	Stand Connector kit, Resistorx® T20 tool, Installation Guide, Windows® decoder 1-user license

Optional lenses	Lens CS 4–10 mm F0.9 P-Iris Ricom 2MP Lens DC-iris 8–26 mm F0.9 Fujinon Varifocal Lens 8–80 mm, DC-iris Lens i-CS 9–50 mm F1.5 8 MP Lens CS 12–50 mm F1.4 P-Iris 8 MP
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS T01809-LE Housing T92G AXIS T92E20 Outdoor Housing AXIS T8355 Digital Microphone 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	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.

 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 Q1615-LE Mk III Network Camera

For analytics with deep learning

AXIS Q1615-LE Mk III combines exceptional imaging and video performance with outstanding hardware and processing capabilities to provide the perfect platform for analytics based on artificial intelligence (AI) with deep learning. A fixed box camera with Q-line functionality, it features an innovative dual chipset that is the basis for nuanced and remarkably granular object classification. This advanced hardware offers a unique opportunity to take advantage of tailor-made third-party applications based on deep learning. The dual chipset also makes it possible for preinstalled AXIS Object Analytics to distinguish between bikes, cars, buses, trucks, and so on.

- > Powerful AI with deep learning
- > Granular object classification
- > Support for 3rd-party AI applications
- > Edge-based processing for scalability
- > Premium Axis Q-line camera features







AXIS Q1615-LE Mk III Network Camera

A lo oli D	Application	Open API for software integration, including VAPIX® and	
Image sensor 1/2.8" Progressive scan RGB CMOS Lens Varifocal, IR corrected, CS-mount		AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection	
Varifocal, IR corrected, CS-mount 2 MP (16:9): 2.8–8.5 mm, F1.2 Horizontal field of view: 102°–40°	merrace	One-click cloud connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specifications at onvif.org	
Vertical field of view: 58°-22° i-CS lens		Electronic image stabilization Day/night shift Defogging	
Automatically removable infrared-cut filter		Wide dynamic range	
HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.05 lux, B/W: 0.01 lux at 50 IRE, F1.2 HDTV 1080p 50/60 fps with Forensic WDR and Lightfinder: Color: 0.1 lux, B/W: 0.02 lux at 50 IRE, F1.2 HDTV 1080p 100/120 fps: Color: 0.2 lux, B/W: 0.04 lux at 50 IRE, F1.2 0 lux with IR illumination on	Event conditions	events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, casing open, IP address removed, network lost, new IP address, shock	
1/125000 to 2 s		detection, ring power overcurrent protection, storage failure,	
(SoC)		system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
ARTPEC-7		I/O: digital input, manual trigger, virtual input	
2048 MB RAM, 1024 MB Flash		MQTT subscribe	
		PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready	
Step rearring processing anne (SE S)		Scheduled and recurring: scheduled event	
		Video: live stream open	
H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Event actions	MQTT publish Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, netwo share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap	
HDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (WDR):1920x1080 to 160x90 HDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90			
Up to 100/120 fps (50/60 Hz) in 1080p (no WDR)		PTZ: PTZ preset, start/stop guard tour	
Multiple, individually configurable streams in H.264, H.265 and		Overlay text, external output activation, play audio clip, zoom preset, defog mode, PTZ control	
Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	Data streaming Built-in installation aids	Event data Focus assistant, pixel counter, leveling assistant, camera orientation aid, traffic wizard i-CS: Remote zoom and focus	
		Other lens: Remote back focus	
120 dB depending on scene, white balance, day/night threshold, tone mapping, local contrast, exposure mode, exposure zones, defogging, electronic image stabilization, barrel distortion correction, compression, rotation: auto, 0°, 90°, 180°, 270°, dynamic text and image overlay, polygon privacy mask, mirroring of images Scene profiles: forensic, vivid, traffic overview	Analytics b	Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Trigger conditions: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes	
Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Polygon include/exclude areas Perspective configuration	
		ONVIF Motion Alarm event	
Two-way, full duplex	Applications	Included	
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		AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection Supported	
External microphone input, line input, digital input with ring power, balanced microphone, balanced input, automatic gain control, line output 24 hit AD/DA-conversion		AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
		IDCC IDC7 and NEMA 4V noted 1//40 immed marks	
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,	Casing	IP66-, IP67-, and NEMA 4X-rated, IK10 impact resistant aluminum enclosure Weathershield with black anti-glare coating Color: White NCS S 1002-B Intrusion alarm switch	
FIPS 140-2 certified TPM 2.0 module	Mounting	¹ / ₄ "-20 tripod screw thread Camera stand included	
IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour),	Sustainability	PVC free	
	Power	Power over Ethernet IEEE 802.3at Type 2 Class 4, max. 25.5 W,	
UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local	IR illumination	typical 13.7 W OptimizedIR with power-efficient, long-life 850 nm IR LEDs	
	Varifocal, IR corrected, CS-mount 2 MP (16:9): 2.8-8.5 mm, F1.2 Horizontal field of view: 58°-22° i-CS lens Automatically removable infrared-cut filter HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.05 lux, B/W: 0.01 lux at 50 IRE, F1.2 HDTV 1080p 50/60 fps with Forensic WDR and Lightfinder: Color: 0.1 lux, B/W: 0.02 lux at 50 IRE, F1.2 HDTV 1080p 100/120 fps: Color: 0.2 lux, B/W: 0.04 lux at 50 IRE, F1.2 Ol lux with IR illumination on 1/125000 to 2 s (SoC) ARTPEC-7 2048 MB RAM, 1024 MB Flash Deep learning processing unit (DLPU) H.264 (MPEG-4 Part 2/HEVC) Main Profile Motion JPEG HDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (WDR): 1920x1080 to 160x90 HDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (WDR): 1920x1080 to 160x90 HDTV 1080p 100/120 fps (no WDR): 1920x1080 to 160x90 HDTV 1080p 100/120 fps (and the second by th	Varifocal, IR corrected, CS-mount 2 MP (16:9): 2 MP (16:9): 2 Me (16:9): 3 Me (16:9): 4 Me (16:9): 5 Me (16:9	

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	I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs(12 V DC output, max load 50 mA). Two of the ports can be supervised. RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)
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) with PoE Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	EMC EN 50121-4, IEC 62236-4, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 55035, 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, EAC, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, CAN/CSA C22.2 No. 62368-1, IEC 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-17, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267

Dimensions	201 x 179 x 494 mm (7.9 x 7.1 x 19.4 in)		
Weight	6965 g (15.4 lb)		
Included accessories	AXIS T94Q01A Wall Mount, Sunshield Connector kit, Resistorx® T20 tool, Installation Guide, Windows® decoder 1-user license		
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Ricom 2MP Lens DC-iris 8-26 mm F0.9 Fujinon Varifocal Lens 8-80 mm, DC-iris Lens i-CS 9-50 mm F1.5 8 MP Lens CS 12-50 mm F1.4 P-Iris 8 MP		
Optional accessories	Axis mounts, Axis lenses, Axis midspans 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	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.		

 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 M1137-E Network Camera

Outdoor-ready 5 MP premium affordable surveillance

AXIS M1137-E is a compact, outdoor-ready network camera that's easy to install and operate. It supports PoE and redundant DC power, so your data is safeguarded in the event of a power outage. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It includes a CS-mount allowing you to easily change lens to meet your specific requirements. Plus, audio input lets you record video with sound. Furthermore, Axis Zipstream with H.264/H.265 significantly lowers bandwidth and storage requirements and enhanced security features ensures the integrity and authenticity of the firmware.

- > 5 MP at 30 fps
- > Lightfinder and Forensic WDR
- > Audio input
- > Exchangeable CS mount lens
- > Zipstream supporting H.264 and H.265







AXIS M1137-E Network Camera

Camera			Edge storage: recording ongoing, storage disruption	
Image sensor Progressive scan RGB CMOS 1/2.7"			I/O: digital input, manual trigger, virtual input	
Lens	ens Varifocal, IR corrected, CS-mount, DC-iris, 2.8–13 mm 5 MP: Horizontal field of view: 112°–24° 4 MP: Horizontal field of view: 115°–25° 5 MP: Vertical field of view: 82°–19° 4 MP: Vertical field of view: 61°–14°		MQTT subscribe Scheduled and recurring: scheduled event Video: day/night mode, live stream open, tampering	
		Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email MQTT publish	
Day and night	Automatically removable infrared-cut filter		Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video	
Minimum illumination	HDTV 5 MP 25/30 fps with Forensic WDR and Lightfinder: Color: 0.17 lux at 50 IRE, F1.4 B/W: 0.03 lux at 50 IRE, F1.4		buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator, output port	
	Color: 0.12 lux at 30 IRE, F1.4 B/W: 0.02 lux at 30 IRE, F1.4	Data streaming	Event data	
Shutter speed	1/33500 to 1/5 s	Built-in installation aids	Pixel counter	
System on chip	o (SoC)	Analytics		
Model	ARTPEC-7	Compute	Machine learning processing unit (MLPU)	
Memory	1024 MB RAM, 512 MB Flash	capabilities	(,	
Compute capabilities	Machine learning processing unit (MLPU)	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area	
Video			Up to 10 scenarios Metadata visualized with color-coded bounding boxes	
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		Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
Resolution	5 MP: 2592x1944 to 160x120 4 MP: 2688x1512 to 160x90	Applications	Included AXIS Object Analytics	
Frame rate	Up to 25/30 fps in all resolutions		AXIS Video Motion Detection, active tampering alarm Supported	
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		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
		General Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant polymer	
Image settings	Axis Forensic WDR: up to 120 dB depending on scene, manual		enclosure Color: White NCS S 1002-B	
	shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain	Sustainability	PVC free	
	control), exposure zones, fine tuning of behavior at low light, aspect ratio correction, text and image overlay, privacy mask, mirroring of images	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 7.2 W, typical 4.5 W 8-28 V DC, max 6.6 W, typical 4.4 W	
Pan/Tilt/Zoom	Digital PTZ	Connectors	RJ45 10BASE-T/100BASE-TX PoE	
Audio Audio streaming	Audio in, simplex		Terminal block for one input and one output (12 V DC output, max load 25 mA) DC input, terminal block 3.5 mm mic/line in	
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	Storage	Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Audio input/output	External microphone input or line input	Operating	-25 °C to 50 °C (-13 °F to 122 °F)	
Network		conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection,		(165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing)	
Supported	signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a ,	Storage conditions	-40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% 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, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35	
System integra	tion		Safety	
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 G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <i>onvif.org</i>		IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22IS 13252 Environment EN 50581, 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 60539 IPG6 NEMA 250 Type 4X IEC/EN 60363 IK10	
Event conditions	Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature		IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267	

www.cxis.com T10140309/EN/M22.2/2201

Dimensions	240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount
Weight	1.8 kg (4.0 lb) including wall mount
Included accessories	AXIS T94Q01A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder 1-user license
Optional accessories	AXIS T94R01P Conduit Back Box, AXIS T98A16-VE Surveillance Cabinet Series, AXIS T91B47 Pole Mount, AXIS T90B Illuminators, AXIS T8351 Mk II Microphone 3.5 mm
Optional lenses	Computar 12.5-50 mm, DC-iris
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:

BOCK OPTRONICS INC.

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





AXIS M1135 Network Camera

2 MP premium affordable surveillance

AXIS M1135 is an affordable, compact network camera that's easy to install and operate. It supports PoE and redundant DC power, so your data is safeguarded in the event of a power outage. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It includes a CS-mount allowing you to easily change lens to meet your specific requirements. Plus, a built-in microphone allows you to record video with sound. Furthermore, it offers Axis Zipstream with H.264/H.265 to lower bandwidth and storage requirements as well as enhanced security functionality.

- > 2 MP / HDTV 1080p at 30 fps
- > Lightfinder and Forensic WDR
- > Built-in microphone for audio recording
- > Exchangeable CS mount lens
- > Zipstream supporting H.264 and H.265







AXIS M1135 Network Camera

Camera			Video: day/night mode, live stream open, tampering	
Image sensor	Progressive scan RGB CMOS 1/2.9"	Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email MQTT publish Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, quard tour, send video clip, send SNMP	
Lens	Varifocal, IR corrected, CS-mount, DC-iris, 3–10.5 mm Horizontal field of view: 90°–33° Vertical field of view: 49°–19°			
Day and night	Automatically removable infrared-cut filter		trap, day/night vision mode, WDR mode, status LED indicator,	
Minimum illumination	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:		output port	
mummation	Color: 0.15 lux at 50 IRE, F1.4 B/W: 0.03 lux at 50 IRE, F1.4	Data streaming	Event data	
	Color: 0.1 lux at 30 IRE, F1.4 B/W: 0.02 lux at 30 IRE, F1.4	Built-in installation aids	Pixel counter	
Shutter speed	1/33500 to 2 s	Analytics		
System on chir	o (SoC)	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard	
Model	ARTPEC-7		AXIS Video Motion Detection, active tampering alarm	
Memory	512 MB RAM, 512 MB Flash		Supported Support for AXIS Camera Application Platform enabling	
Video	LLOCA (MADEC A Deut 10/A)/C) Deceling Main and High Durfler		installation of third-party applications, see axis.com/acap	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile	General		
	Motion JPEG	Casing	Polycarbonate blend Color: White NCS S 1002-B and Axis Black NCS S9000-N	
Resolution	1920x1080 to 160x90	Mounting	1/4"-20 tripod screw thread	
Frame rate	Up to 25/30 fps in all resolutions		Camera stand included	
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG	Sustainability	PVC free, 20% recycled plastics	
	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max 6.49 W, typical 4.1 W 8-28 V DC, max 6.49 W, typical 3.8 W	
Image settings	Axis Forensic WDR: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, barrel distortion correction, rotation: 0°, 90°, 180°, 270°	Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for one input and one output (12 V DC output, max load 25 mA) DC input, terminal block 3.5 mm mic/line in	
	including Corridor Format, aspect ratio correction, text and image overlay, privacy mask, mirroring of images	Storage	Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Pan/Tilt/Zoom	Digital PTZ	Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–85% RH (non-condensing)	
Audio Audio streaming	Audio in, simplex	Storage	-40 °C to 65°C (-40 °F to 149 °F)	
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726	conditions	Humidity 5–95% RH (non-condensing)	
	ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A KC KN32 Class A, KC KN35	
Audio input/output	External microphone input or line input, built-in microphone (can be disabled), automatic gain control			
Network Security	Password protection, IP address filtering, HTTPS ^a encryption,		Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252	
	IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot		Environment EN 50581, 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	
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),		NIST SP500-267	
•	UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP,	Dimensions	46 x 70 x 148 mm (1.8 x 2.8 x 5.8 in)	
	RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Weight	Bare bone: 165 g (0.36 lb) With optics: 205 g (0.45 lb)	
System integra		Included accessories	AXIS T91A11 Stand White, installation guide, Windows® decoder 1-user license	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIE® Profile G, ONVIF® Profile M, ONVIF® Profile S,	Optional accessories	AXIS T91A04/AXIS T91A05 Camera Holders, AXIS T91B53 Telescopic Ceiling Mount, AXIS T92E20 and AXIS T93F Housing Series, mains adaptor PS-P terminal connector, AXIS T8006 PS12 AXIS T90B Illuminators, AXIS T8351 Mk Il Microphone 3.5 mm	
Event conditions	specification at <i>onvif.org</i> Audio: audio detection	Optional lenses	Computar 12.5-50 mm, DC-iris Lens CS 2.8-13 mm F1.4 DC-Iris 5 MP	
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms	
	ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese	
	MQTT subscribe Scheduled and recurring: scheduled event			

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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

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For more information please contact:

BOCK OPTRONICS INC.

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





AXIS Q1659 Network Camera

Professional photography meets video surveillance

AXIS Q1659 offers ultra-high image resolution for surveillance in superb detail at 8 frames per second, achieving unprecedented levels of detail for observing open spaces and across long distances. It features digital single-lens reflex (DSLR) imaging technology and offers a choice of Canon EF/EF-S lenses, depending on individual user needs. Equipped with an EF lens mount, the camera enables easy lens changes. AXIS Q1659 is compatible with a large number of video management systems, and it supports Zipstream that significantly reduces bandwidth and storage requirements.

- > 20 MP resolution
- > Canon EF mount and EF/EF-S lenses
- > Axis Zipstream technology
- > PoE and SFP slot for optional fiber connection
- > Optional accessory housing





	AXIS Q1659 Ne	etwork Co	ımera
Models	AXIS Q1659 24 mm, f/2.8 AXIS Q1659 35 mm, f/2 ^a AXIS Q1659 50 mm, f/1.4 ^a AXIS Q1659 85 mm, f/1.2L ^a	Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
	AXIS Q1659 100 mm, f/2.8L AXIS Q1659 10-22 mm, f/3.5-4.5 AXIS Q1659 70-200 mm, f/2.8L AXIS Q1659 55-250 mm f/4-5.6	Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^b , TLS ^b , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP
Camera Image sensor	22.4 x 15.0 mm APS-C CMOS-sensor		SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
Lens	EF/EF-S mount	System integro	ation
	24 mm, f/2.8 Horizontal field of view: 20 MP 50°, 11 MP/4K 36° Vertical field of view: 20 MP 35°, 11 MP 28°, 4K 21° 35 mm, f/2 Horizontal field of view: 20 MP 36°, 11 MP/4K 25°,	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 G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <i>onvif.org</i>
	Vertical field of view: 20 MP 24°, 11 MP 19°, 4K 14° 50 mm, f/1.4	Event triggers	Analytics, edge storage events, external input MQTT subscribe
	Horizontal field of view: 20 MP 25°, 11 MP/4K 18° Vertical field of view: 20 MP 17°, 11 MP 14°, 4K 10° 85 mm, f/1.2L Horizontal field of view: 20 MP 15°, 11 MP/4K 11° Vertical field of view: 20 MP 10°, 11 MP 8°, 4K 6° 100 mm, f/2.8L Horizontal field of view: 20 MP 13°, 11 MP/4K 9° Vertical field of view: 20 MP 9°, 11 MP 7°, 4K 5°	Event actions	File upload: FTP, SFTP, HTTP, HTTPS, network share and email, send video clip Notification: email, HTTP, HTTPS and TCP Overlay text, send SNMP trap, video and audio recording to edge storage, pre- and post-alarm video buffering, external output activation, day/night vision mode, play audio clip, status LED MQTT publish
	10–22 mm, f/3.5–4.5 Horizontal field of view: 20 MP 97°– 54°, 11 MP/4K 76° – 39°	Data streaming	Event data
	Vertical field of view: 20 MP 74°- 38°, 11 MP 61°- 30°, 4K 48°- 29°	Built-in installation aids	Pixel counter, remote focus
	70–200 mm, f/2.8L Horizontal field of view: 20 MP 18°– 6°, 11 MP/4K 13°– 5°	Analytics	
	Vertical field of view: 20 MP 12° - 4°, 11 MP 10° - 3°, 4K 7° - 3° 55-250 mm f/4-5.6 Horizontal field of view: 20 MP 23°-5°, 11 MP/4K 16°-4° Vertical field of view: 20 MP 16° - 3°, 11 MP 12° - 3°, 4K 9° - 2°	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling
Day and night	Automatically removable infrared-cut filter	~ ,	installation of third-party applications, see axis.com/acap
Minimum illumination	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2	General Casing	Camera: Aluminum Color: Black NCS S 9000–N
Shutter speed	1/8000 to 1 s	Power	20–28 V DC, max 18.6 W
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)		Power over Ethernet IEEE 802.3af/802.3at Type 2 Class 4
System on chip		Connectors	Typical 13.1 W, max 25.5 W Shielded RJ45 100BASE-TX/1000BASE-T PoE
Model	ARTPEC-6	Connectors	3.5 mm mic/line in, 3.5 mm line out
Video Video compression	1 GB RAM, 256 MB Flash H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG		DC input Terminal block for 2 configurable inputs/outputs (12 V DC output max load 50 mA) RS485/RS422
Resolution	5472x3648 to 320x240		SFP slot (100/1000 Mbps) for SFP fiber module
Frame rate	5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4 K): 25 fps	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256 bit) Support for recording to dedicated network-attached storage (NAS)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth	Operating conditions	For SD card and NAS recommendations see axis.com 0 °C to 45 °C (32 °F to 113 °F) Humidity 10-85% RH (non-condensing)
	Axis Zipstream technology in H.264 VBR/ABR/CBR H.264	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Multi-view streaming	Up to 4 individually cropped out view areas	Approvals	EMC
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, WDR – dynamic contrast, fine tuning of behavior at low light, text overlay, privacy mask, rotation: 0°, 180°, day and night shift level		EN 55032 Class A, EN 50121-4, EN 55024, EN 61000-6-1, EN 61000-6-2, IEC 62236-4, 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
Audio			IEC/EN/UL 60950-1, IS 13252 Network
Audio streaming	Two-way		NIST SP500-267
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS	Dimensions	Camera body: 176 x 102 x 75 mm (7 x 4 x 3 in)
Audio	External microphone or line input, line output, automatic gain	Weight	Camera body: 840 g (1.85 lb)
input/output	control	Included accessories	EF mount cover, connector kit, Installation Guide, Windows decoder 1-user license
Network			

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Optional accessories	Outdoor housing, Axis PoE+ Midspans 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/support/downloads
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

Supports Axis Lightfinder technology.
 This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://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.

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AXIS P1378 Network Camera

Excellent details in 4K under any circumstances

AXIS P1378 captures excellent detailed images in 4K resolution. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It offers P-Iris for images with better contrast, clarity, resolution and depth of field. Designed to act as a deterrent, it includes electronic image stabilization for stable images as well as enhanced security features, barrel distortion correction, shock detection and scene profiles. Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage. Plus, with CS mount and support for motorized i-CS, you can easily change lens to meet your requirements.

- > 4K resolution
- > Lightfinder and Forensic WDR
- > Signed firmware and secure boot
- > Electronic image stabilization
- > Zipstream supporting H.264 and H.265







AXIS P1378 Network Camera

A			The second secon	
Camera Image sensor	1/1.8" progressive scan RGB CMOS	Onscreen controls	Electronic image stabilization Day/night shift Defogging	
	1 1 5			
Lens	IR corrected, CS-mount lens, P-Iris Varifocal 3.9–10 mm, F1.5		Wide dynamic range	
	Horizontal field of view: 119°-45°	Event triggers	Analytics, shock detection, edge storage events, supervised external input, audio level, time scheduled	
	Vertical field of view: 62°-25°		MQTT subscribe	
Day and night	Automatically removable infrared-cut filter	Event actions	MQTT publish	
Minimum illumination	==, ==		Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email	
Shutter speed	1/8500 s to 1/5 s		Pre- and post-alarm video or image buffering for recording or	
System on chip	o (SoC)		upload Notification: email, HTTP, HTTPS, TCP and SNMP trap	
Model	ARTPEC-7		PTZ: PTZ preset, start/stop guard tour	
Memory	2 GB RAM, 512 MB Flash		Overlay text, external output activation, play audio clip, WDR mode, day/night mode	
Compute	Machine learning processing unit (MLPU)	Data streaming	Event data	
capabilities		Built-in	Focus assistant, pixel counter, remote back focus, autorotation	
Video		installation aids	rocus assistant, pixer counter, remote back rocus, autorotation	
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	Analytics		
compression	H.265 (MPEG-H Part 2/HEVC) Motion JPEG	AXIS Object	Object classes: humans, vehicles	
Resolution	3840x2160 (4K) to 160x90	Analytics	Trigger conditions: line crossing, object in area	
Frame rate	25/30 fps (50/60 Hz) in all resolutions		Up to 10 scenarios Metadata visualized with color-coded bounding boxes	
Video streaming	Multiple, individually configurable streams in H.264, H.265, and		Polygon include/exclude areas	
video streaming	Motion JPEG		Perspective configuration ONVIF Motion Alarm event	
	Axis Zipstream technology in H.264 and H.265	Annliantions		
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Applications	Included AXIS Object Analytics	
	Video streaming indicator		AXIS Video Motion Detection, active tampering alarm, audio	
Multi-view	Up to 8 individually cropped out view areas		detection Supported	
streaming			AXIS Live Privacy Shield	
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold,		Support for additional applications if the device is used with	
	exposure mode, exposure zones, local contrast, tone mapping,		compatible accessories. For more information, contact your Axis partner.	
	compression, orientation: auto, 0°, 90°, 180°, 270° including		Support for AXIS Camera Application Platform enabling	
	Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization,		installation of third-party applications, see axis.com/acap	
	barrel distortion correction, scene profiles: forensic, vivid, traffic	General		
	overview	Casing	Metal (zinc) Color lid: White NCS S 1002-B	
Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)		Color chassis: Black NCS S 9002-N	
Audio	opioauaoic 112 univer (reico o pre-mistaneu)	Mounting	1/4"-20 tripod screw thread	
Audio streaming	Two-way, full duplex		Camera stand included	
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz,	Sustainability	Free of hazardous brominated and chlorinated flame retardants (BFR/CFR free)	
	Opus 8/16/48 kHz, LPCM 48 kHz	Power	12–28 V DC, max 10.5 W, typical 6.1 W	
	Configurable bit rate	Towci	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3,	
Audio	External microphone input, line input, digital input with ring		max 10.7 W, typical 6.2 W	
input/output	power, line output, built-in microphone (can be disabled), automatic gain control		Power redundancy	
Network		Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs	
Security	Password protection, IP address filtering, HTTPS ^a encryption,		and 2 outputs	
,	IEEE 802.1X (EAP-TLS) ^a network access control, digest		RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block	
	authentication, user access log, centralized certificate management, brute force delay protection, signed firmware,		DC input, terminal block, 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-lris and DC-iris)	
	secure boot		Security lock slot	
Supported	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPSa, HTTP/2, TLSa,		AXIS T92G20 connector	
protocols	QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP,	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit)	
	RTP, SRTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6,		Support for recording to network-attached storage (NAS)	
	ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local		For SD card and NAS recommendations see axis.com	
	address (ZeroConf)	Operating	-10 °C to 55 °C (14 °F to 131 °F)	
System integro		conditions	Humidity 10-85% RH (non-condensing)	
Application Programming	Open API for software integration, including VAPIX® and	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	
Interface	AXIS Camera Application Platform, specifications at axis.com One-Click Cloud Connection	Approvals	EMC	
	ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and	Approvais	EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024,	
	ONVIF® Profile T, specification at <i>onvif.org</i>		EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A,	

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	ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78 Network NIST SP500-267
Dimensions	214 x 80 x 57 mm (8 7/16 x 3 1/8 x 2 1/4 in)
Weight	750 g (1.7 lb)
Included accessories	Connector kit, Installation Guide, Windows® decoder 1-user license, stand, Resistorx® L-key TR20, Torx® L-key T6
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 3.9-10 mm F1.5 8 MP Lens i-CS 9-50 mm F1.5 8 MP

Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS TQ1809-LE Housing T92G AXIS T8355 Digital Microphone 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, Traditional Chinese, Polish
Warranty	5-year warranty, see axis.com/warranty

 a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.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 M1134 Network Camera

HDTV 720p premium affordable surveillance

AXIS M1134 is an affordable, compact network camera that's easy to install and operate. It supports PoE and redundant DC power, so your data is safeguarded in the event of a power outage. Featuring Axis Lightfinder and Axis Forensic WDR, it delivers true colors and great details in challenging light or near darkness. It includes a CS-mount allowing you to easily change lenses to meet your specific requirements. Plus, a built-in microphone allows you to record video with sound. Furthermore, Axis Zipstream with H.264/H.265 to lower bandwidth and storage requirements as well as enhanced security functionality.

- > HDTV 720p at 30 fps
- > Lightfinder and Forensic WDR
- > Built-in microphone for audio recording
- > Exchangeable CS mount lens
- > Zipstream supporting H.264 and H.265







AXIS M1134 Network Camera

Camera			Video recording to edge storage, pre- and post-alarm video
Image sensor	Progressive scan RGB CMOS 1/2.9"		buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator,
Lens	Varifocal, IR corrected, CS-mount, DC-iris, 3–10.5 mm		output port
	Horizontal field of view: 90°-33° Vertical field of view: 49°-19°	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Pixel counter
Minimum illumination	HDTV 720p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.15 lux at 50 IRE, F1.4	Analytics	
mammation	B/W: 0.03 lux at 50 lRE, F1.4	Applications	Included
Shutter speed	1/33500 to 2 s		AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm
System on chip	o (SoC)		Supported
Model	ARTPEC-7		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Memory	512 MB RAM, 512 MB Flash	General	instanation of time-party applications, see usis computed
Video		Casing	Polycarbonate blend
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	Mounting	Color: White NCS S 1002-B and Axis Black NCS S9000-N 1/4"-20 tripod screw thread
Resolution	1280x720 to 160x90		Camera stand included
Frame rate	Up to 25/30 fps in all resolutions	Sustainability	PVC free, 20% recycled plastics
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max 6.49 W, typical 4.1 W 8-28 V DC, max 6.49 W, typical 3.8 W
Image settings	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Axis Forensic WDR: up to 120 dB depending on scene, manual	Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for one input and one output (12 V DC output, max load 25 mA) DC input, terminal block
	shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain		3.5 mm mic/line in
	white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format, aspect ratio correction, text and image overlay, privacy mask, mirroring of images	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
Pan/Tilt/Zoom	Digital PTZ	Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Audio strooming	Audio in cimpley	Storage	-40 °C to 65°C (-40 °F to 149 °F)
Audio streaming		conditions	Humidity 5–95% RH (non-condensing)
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	Approvals	EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class KC KN32 Class A, KC KN35 Safety
Audio input/output Network	External microphone input or line input, built-in microphone (can be disabled), automatic gain control		
Security Supported	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a ,		IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IS 13252 Environment EN 50581, 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
protocols	QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP,	Dimensions	46 x 70 x 148 mm (1.8 x 2.8 x 5.8 in)
	RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address	Weight	Bare bone: 165 g (0.36 lb) With optics: 205 g (0.45 lb)
System integro	(ZeroConf) ttion	Included accessories	AXIS T91A11 Stand White, installation guide, Windows® decoder 1-user license
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 G, ONVIF® Profile M, ONVIF® Profile S,	Optional accessories	AXIS T91A04/AXIS T91A05 Camera Holders, AXIS T91B53 Telescopic Ceiling Mount, AXIS T92E20 and AXIS T93F Housing Series, mains adaptor PS-P terminal connector, AXIS T8006 PS12, AXIS T90B Illuminators, AXIS T8351 Mk II Microphone 3.5 mm
Event conditions	specification at onvif.org Audio: audio detection	Optional lenses	Computar 12.5-50 mm, DC-iris Lens CS 2.8-13 mm F1.4 DC-Iris 5 MP
	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input	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
	Scheduled and recurring: scheduled event Video: day/night mode, live stream open, tampering	Warranty	5-year warranty, see axis.com/warranty
Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email Notification via email, HTTP, HTTPS, TCP		udes software developed by the OpenSSL Project for use in the (openssl.org), and cryptographic software written by Eric Young com).

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

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Environmental responsibility:

axis.com/environmental-responsibility

BOCK OPTRONICS INC.

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Toronto, Ontario M9W 6M6





AXIS P1378-LE Network Camera

Excellent details in 4K for the great outdoors

With a robust design, AXIS P1378-LE offers excellent details in 4K resolution and can withstand extreme temperatures ranging from -40 °C to 60 °C (-40 °F to 140 °F). For extra protection an optional weathershield is available. It delivers excellent details in challenging or low light and includes Axis OptimizedIR for surveillance in pitch darkness. Designed as a deterrent, it includes electronic image stabilization, shock detection, tampering alarm and video streaming indicator. Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage. Plus, with CS mount and support for motorized i-CS, you can easily change lens to meet your requirements.

- > 4K resolution
- > OptimizedIR and Forensic WDR
- > Signed firmware and secure boot
- > Electronic image stabilization
- > Zipstream supporting H.264 and H.265









AXIS P1378-LE Network Camera

Camera		Application	Open API for software integration, including VAPIX® and	
Image sensor	1/1.8" progressive scan RGB CMOS	Programming Interface	AXIS Camera Application Platform, specifications at axis.com	
Lens	IR corrected, CS-mount lens, P-Iris Varifocal 3.9–10 mm, F1.5 With IK10 protection in front window Horizontal field of view: 115°–45°		AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org	
	Vertical field of view: 115 –45 Vertical field of view: 61°–25° Without IK10 protection in front window Horizontal field of view: 119°–45° Vertical field of view: 62°–25°	Onscreen controls	Electronic image stabilization Day/night shift Defogging Wide dynamic range	
Day and night	Automatically removable infrared-cut filter	Event triggers	Analytics, shock detection, open casing, edge storage events,	
Minimum illumination	4K 25/30 fps with Forensic WDR and Lightfinder: Color: 0.15 lux, at 50 IRE F1.5 B/W: 0.03 lux, at 50 IRE F1.5	Event actions	supervised external input, audio level, time scheduled MQTT subscribe File upload: FTP, SFTP, HTTP, HTTPS, network share and email	
	0 lux with IR illumination on		Notification: email, HTTP, HTTPS and TCP External output activation	
Shutter speed	1/8500 s to 1/5 s		Video recording to edge storage, Play audio clip	
System on chip	o (SoC)		Pre- and post-alarm video buffering PTZ preset, Guard tour, Overlay text	
Model	ARTPEC-7		Day/Night switching, Status LED activation	
Memory	2 GB RAM, 512 MB Flash		MQTT publish	
Compute capabilities	Machine learning processing unit (MLPU)	Data streaming	Send SNMP trap Event data	
Video		Built-in	Focus assistant, pixel counter, remote back focus, autorotation,	
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	installation aids	remote focus and zoom and with optional i-CS lens.	
compression	H.265 (MPEG-H Part 2/HEVC)	Analytics		
Resolution	Motion JPEG Controllable frame rate and bandwidth	AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area	
	3840x2160 (4K) to 160x90		Up to 10 scenarios Metadata visualized with color-coded bounding boxes	
Frame rate	25/30 fps (50/60 Hz)		Polygon include/exclude areas	
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology in H.264 and H.265	Annlinations	Perspective configuration ONVIF Motion Alarm event	
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	Applications	Included AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Live Privacy Shield, AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling	
Multi-view streaming Image settings	Up to 8 individually cropped out view areas Saturation, contrast, brightness, sharpness, Forensic WDR: Up to			
image settings	120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic overview		installation of third-party applications, see axis.com/acap	
		General Casing	IP66-, IP67- and NEMA 4X-rated, IK10 impact-resistant polyme	
			enclosure with aluminium base and intrusion alarm switch Weathershield with black anti-glare coating Color: White NCS S 1002-B	
Pan/Tilt/Zoom	Digital PTZ	Sustainability	PVC free	
	Uploadable PTZ driver (Pelco D pre-installed)	Power	12–28 V DC, max 19.9 W, typical 11.1 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4	
Audio Audio streaming	Two-way, full duplex		max 20.7 W, typical 11.7 W With disabled IR: Power over Ethernet (PoE)	
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz Configurable bit rate		IEEE 802.3af/802.3at Type 1 Class 3, max 12.95 W, typical 6.7 W Power redundancy	
Audio input/output	External microphone input, line input, digital input with ring power, line output, automatic gain control	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T I/0: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs	
Network	-		and 2 outputs RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block	
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		DC input, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)	
	management, brute force delay protection, signed firmware, secure boot	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range 50 m (164 ft) or more, depending on the scene	
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (TeroConfl	Storage Operating	Support for microSD/microSDHC/microSDXC 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 -40 °C to 60 °C (-40 °F to 140 °F)	
(ZeroConf) System integration		conditions	Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)	

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	Wind load (sustained): 55 m/s (123 mph)
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 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, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252 Environment IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC/EN 62262 IK10 Network NIST SP500-267
Dimensions	404 x 159 x 168 mm (15.9 x 6.3 x 6.6 in)
Weight	2.4 kg (5.3 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit IK10 tool Torx® T20 screw driver, Torx® T30 screw bit

Outional language	AXIS P13 Weathershield Kit A Pre-mounted AXIS Fixed Box IR Illuminator Kit A
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 3.9-10 mm F1.5 8 MP Lens i-CS 9-50 mm F1.5 8 MP
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS P13 Weathershield Extension A AXIS T8355 Digital Microphone AXIS T99A10 Positioning Unit 24 V AC/DC 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:

BOCK OPTRONICS INC.

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





AXIS P1377 Network Camera

Fast, 5 MP surveillance under any circumstances

AXIS P1377 is a high-performance network camera that offers excellent 5 MP resolution. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It offers P-Iris for images with better contrast, clarity, resolution and depth of field. Designed as a deterrent, it includes electronic image stabilization for stable images as well as enhanced security features, shock detection and scene profiles. Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage. Plus, with CS mount and support for motorized i-CS, you can easily change lens to meet your requirements.

- > 30 fps in 5 MP or up to 180 fps in HDTV 720p
- > Lightfinder and Forensic WDR
- > Signed firmware and secure boot
- > Electronic image stabilization
- > Zipstream supporting H.264 and H.265







AXIS P1377 Network Camera

~		Application		
Camera	Image sensor 1/2.7" progressive scan RGB CMOS		Open API for software integration, including VAPIX® and AXIS Camera Application Platform, specifications at axis.com	
Lens	IR corrected, CS-mount lens, P-Iris	Programming Interface	One-Click Cloud Connection	
LCII3	Varifocal 2.8-8 mm, F1.2		ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <i>onvif.org</i>	
	Horizontal field of view: 111°-38° Vertical field of view: 81°-28°	Onscreen	Electronic image stabilization	
Day and night	Automatically removable infrared-cut filter	controls	Day/night shift	
Minimum	5 MP 25/30 fps with Forensic WDR and Lightfinder:		Defogging Wide dynamic range	
illumination	Color: 0.13 lux, at 50 IRE F1.2 B/W: 0.03 lux, at 50 IRE F1.2	Event triggers	Analytics, shock detection, edge storage events, supervised external input, audio level, time scheduled	
Shutter speed	WDR: 1/33500 s to 1/5 s No WDR: 1/50000 s to 1/5 s		MQTT subscribe	
System on chir		Event actions	MQTT publish Record video: SD card and network share	
Model	ARTPEC-7		Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network	
Memory	1 GB RAM, 512 MB Flash		share and email Pre- and post-alarm video or image buffering for recording or	
Compute	Machine learning processing unit (MLPU)		upload	
capabilities	Machine rearring processing unit (MEI 0)		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour	
Video			Overlay text, external output activation, play audio clip, WDR	
Video .	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles		mode, day/night mode	
compression	H.265 (MPEG-H Part 2/HEVC) Motion JPEG	Data streaming	Event data	
Resolution	2592x1944 (5 MP) to 160x90	Built-in installation aids	Focus assistant, pixel counter, remote back focus, autorotation	
	2688x1512 (4 MP) to 160x90 1280x720 (HDTV 720p) to 160x90	Analytics		
Frame rate	Capture mode 5 MP: 25/30 fps (50/60 Hz) Capture mode 4 MP: 25/30 fps (50/60 Hz) Capture mode HDTV 720p: 180 fps	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	
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		Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
- N. W.	VBR/ABR/MBR H.264/H.265 Video streaming indicator	Applications	Included AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Live Privacy Shield	
Multi-view streaming	Up to 8 individually cropped out view areas			
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization,		Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner. Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
	barrel distortion correction, scene profiles: forensic, vivid, traffic	General		
	overview	Casing	Metal (zinc)	
Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre–installed)		Color lid: White NCS S 1002-B Color chassis: Black NCS S 9002-N	
Audio Audio streaming	Two-way, full duplex	Mounting	¹ / ₄ "–20 tripod screw thread Camera stand included	
Audio encoding	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz	Sustainability	Free of hazardous brominated and chlorinated flame retardants (BFR/CFR free)	
Audio	Configurable bit rate External microphone input, line input, digital input with ring	Power	12–28 V DC, max 9.7 W, typical 5.3 W Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3,	
input/output	power, line output, built-in microphone (can be disabled), automatic gain control		max 10.7 W, typical 5.4 W Power redundancy	
Network		Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs	
Security Supported	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 IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a ,		RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal block, 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris) Security lock slot AXIS T92G20 connector	
protocols	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, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Storage	Support for microSD/microSDHC/microSDXC 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	
System integro		Operating conditions	-10 °C to 55 °C (14 °F to 131 °F) Humidity 10-85% RH (non-condensing)	
		Contractions	Humarry 10-65% MT (Hon-condensing)	

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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 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, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78 Network NIST SP500-267	Vid mai sof Lan
Dimensions	214 x 80 x 57 mm (8 7/16 x 3 1/8 x 2 1/4 in)	a. Th
Weight	750 g (1.7 lb)	Op
Included accessories	Connector kit, Installation Guide, Windows® decoder 1-user license, stand, Resistorx® L-key TR20, Torx® L-key T6	<i>Eri</i> Enviro
Optional lenses	Lens Computar i-CS 2.8-8.5 mm Lens CS 4-10 mm F0.9 P-Iris	axis.c

	Lens i-CS 9-50 mm F1.5 8 MP Tamron 5MP Lens P-Iris 8-50 mm F1.6 Theia Varifocal Ultra Wide Lens 1.8-3.0 mm
Optional accessories	Axis mounts, Axis lenses, Axis midspans, Axis microphones AXIS TQ1809-LE Housing T92G AXIS T8355 Digital Microphone 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, Traditional Chinese, Polish
Warranty	5-year warranty, see axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.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.

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AXIS Q1656 Box Camera

Outstanding performance in 4 MP

With 4 MP resolution at up to 60 fps, a 1/1.8" sensor, and Lightfinder 2.0, AXIS Q1656 delivers exceptional video quality even in poor light conditions. Based on the latest Axis system-on-chip (SoC), it offers support for advanced features and powerful applications based on deep learning on the edge. And AXIS Object Analytics offers highly nuanced object classification. This high-performance box camera includes premium Q-line functionality and support for PoE and redundant DC power. Furthermore, built-in cybersecurity features, such as Axis Edge Vault, signed firmware and secure boot, and FIPS-certified TPM, prevent unauthorized access and safeguard your system.

- > Exceptional images with 1/1.8" sensor
- > Support for analytics with deep learning
- > Built-in cybersecurity features
- > Premium Axis Q-line camera functionality
- > Remote zoom and focus







AXIS Q1656 Box Camera

Camera			IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP,
Image sensor	1/1.8" progressive scan RGB CMOS	C	MQTT v3.1.1, Syslog
Lens	Varifocal, 3.9–10 mm, F1.5 Horizontal field of view: 120°–47° Vertical field of view: 63°–27° Autofocus, i-CS lens, IR corrected, remote zoom and focus, P-Iris control Minimum focus distance: 0.5 m (1.6 ft)	System integro 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 ONVIF® Profile T, specification at onvif.org
Day and night	Automatically removable infrared-cut filter	Onscreen	Electronic image stabilization
Minimum illumination	4 MP 25/30 fps with Forensic WDR and Lightfinder 2.0 Color: 0.05 lux at 50 IRE, F1.5 B/W: 0.01 lux at 50 IRE, F1.5 4 MP 50/60 fps with Lightfinder 2.0	controls	Day/night shift Defogging Wide dynamic range Video streaming indicator
	Color: 0.1 lux at 50 IRE, F1.5 B/W: 0.02 lux at 50 IRE, F1.5 4 MP 25/30 fps with Forensic WDR and Lightfinder 2.0 With optional F0.9 lens Color: 0.02 lux at 50 IRE, F0.9 B/W: 0.004 lux at 50 IRE, F0.9	Event conditions	 Analytics, external input, supervised external input, edge storage events, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, shock detected, storage
Shutter speed	1/47500 s to 1 s		failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption
System on chip	(SoC)		I/O: digital input, manual trigger, virtual input
Model	ARTPEC-8		PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready
Memory	2048 MB RAM, 8194 MB Flash		Scheduled and recurring: scheduled event
Compute	Deep learning processing unit (DLPU)		Video: live stream open
capabilities Video		Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network
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		share and email Pre- and post-alarm video or image buffering for recording or upload
Resolution	16:9 2688x1512 Quad HD to 160x90 4:3 2016x1512 to 160x120		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, play audio clip, zoom
Frame rate	No WDR: Up to 60/50 fps (60/50 Hz) in all resolutions WDR: Up to 30/25 fps (60/50 Hz) in all resolutions	Data streaming	preset Event data
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG	Built-in installation aids	Remote zoom and focus, remote back focus, leveling assistant, pixel counter
	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth	Analytics	
	VBR/ABR/MBR H.264/H.265 Video streaming indicator	AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes)
Multi-view streaming	Up to 8 individually cropped out view areas	Applications	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 Included AXIS Object Analytics AXIS Video Motion Detection
lmage settings	Saturation, contrast, brightness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, defogging, barrel distortion correction, electronic image stabilization, compression,		
D 17:11/7	rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask		
Pan/Tilt/Zoom Audio	Digital PTZ, 2.5x optical zoom, preset positions Uploadable PTZ driver (Pelco D pre-installed)		Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Audio streaming	Two-way, full duplex	General	, , , , , , , , , , , , , , , , , , ,
Audio encoding	Noise reduction 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726	Casing	Aluminum casing Color: black NCS S 9000-N
	ADPCM 8 kHz, Opus 8/16/48 kHz	Mounting	1/4"-20 UNC tripod screw thread
Audio	Configurable bit rate	Sustainability	
Audio input/output	External microphone input or line input, line output, built-in microphone (can be disabled), ring power, digital audio input, automatic gain control	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5.1 W, max 8.2 W 10–28 V DC, typical 4.6 W, max 7.7 W
Network	Passward protection IP address filtering UTTPS? energytion		Power redundancy
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, Axis Edge Vault with Axis device ID	Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE Terminal block for two supervised and two unsupervised configurable inputs / digital outputs (12 V DC output, max load 50 mA) RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal block, 3.5 mm mic/line in, 3.5 mm line out
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP,		i-CS connector (compatible with P-Iris and DC-iris) AXIS T92G20 connector

www.cxis.com T10170085/EN/M2.2/2111

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	-20 °C to 60 °C (-4 °F to 140 °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 CISPR 24, CISPR 35, 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(B)/NMB-3(B), KS C 9832 Class A, KS C 9815, KS C 9835, KS C 9547, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety IEC/EN/UL 62368-1 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78 Network NIST SP500-267
Dimensions	214 x 80 x 68 mm (8.4 x 3.2 x 2.7 in)

Weight	790 g (1.7 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, stand, drill hole template, connector kit, RESISTORX® L-key
Optional accessories	AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards For more accessories, see <i>axis.com</i>
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 9-50 mm F1.5 8 MP Lens CS 12-50 mm F1.4 P-Iris 8 MP
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:

BOCK OPTRONICS INC.

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





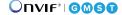
AXIS M1135-E Network Camera

Outdoor-ready 2 MP premium affordable surveillance.

AXIS M1135-E is a compact, outdoor-ready network camera that's easy to install and operate. It supports PoE and redundant DC power, so your data is safeguarded in the event of a power outage. Featuring Axis Lightfinder and Axis Forensic WDR it delivers true colors and great details in challenging light or near darkness. It includes a CS-mount allowing you to easily change lens to meet your specific requirements. Plus, audio input lets you record video with sound. Furthermore, Axis Zipstream with H.264/H.265 significantly lowers bandwidth and storage requirements and enhanced security features ensures the integrity and authenticity of the firmware.

- > 2 MP / HDTV 1080p at 30 fps
- > Lightfinder and Forensic WDR
- > Audio input
- > Exchangeable CS mount lens
- > Zipstream supporting H.264 and H.265







AXIS M1135-E Network Camera

Camera			Video: day/night mode, live stream open, tampering	
Image sensor	Progressive scan RGB CMOS 1/2.9"	Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email	
Lens	Varifocal, IR corrected, CS-mount, DC-iris, 3–10.5 mm Horizontal field of view: 90°-33° Vertical field of view: 49°-19°		MQTT publish Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, guard tour, send video clip, send SNMP	
Day and night	Automatically removable infrared-cut filter		trap, day/night vision mode, WDR mode, status LED indicator,	
Minimum illumination	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.15 lux at 50 IRE, F1.4		output port	
mummation	B/W: 0.03 lux at 50 IRE, F1.4	Data streaming	Event data	
	Color: 0.1 lux at 30 IRE, F1.4 B/W: 0.02 lux at 30 IRE, F1.4	Built-in installation aids	Pixel counter	
Shutter speed	1/33500 to 2 s	Analytics		
System on chip	(SoC)	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard	
Model	ARTPEC-7		AXIS Video Motion Detection, active tampering alarm	
Memory	512 MB RAM, 512 MB Flash		Supported Support for AXIS Camera Application Platform enabling	
Video			installation of third-party applications, see axis.com/acap	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile	General		
compression	Motion JPEG	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant polymer	
Resolution	1920x1080 to 160x90		enclosure Color: White NCS S 1002-B	
Frame rate	Up to 25/30 fps in all resolutions	Sustainability	PVC free	
Video streaming	Multiple, individually configurable streams in H.264, H.265 and	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2,	
	Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth		max 6.49 W, typical 4.1 W 8-28 V DC, max 6.49 W, typical 3.8 W	
	VBR/ABR/MBR H.264/H.265	Connectors	RJ45 10BASE-T/100BASE-TX PoE	
Image settings	Axis Forensic WDR: up to 120 dB depending on scene, manual		Terminal block for one input and one output (12 V DC output, max load 25 mA)	
	shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain		DC input, terminal block	
	control), exposure zones, fine tuning of behavior at low light,		3.5 mm mic/line in	
	aspect ratio correction, text and image overlay, privacy mask, mirroring of images	Storage	Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Dan/T:14/7aam	Digital PTZ	Operating	-25 °C to 50 °C (-13 °F to 122 °F)	
Pan/Tilt/Zoom	Digital 112			
Audio		conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C	
Audio Audio streaming	Audio in, simplex		Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F)	
Audio	Audio in, simplex 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz	conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing)	
Audio Audio streaming Audio encoding	Audio in, simplex 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		Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F)	
Audio Audio streaming	Audio in, simplex 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz	conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC	
Audio Audio streaming Audio encoding Audio	Audio in, simplex 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	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024,	
Audio Audio streaming Audio encoding Audio input/output	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption,	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC	
Audio Audio encoding Audio encoding Audio input/output Network	Audio in, simplex 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 External microphone input or line input, automatic gain control	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A KC KN32 Class A, KC KN35	
Audio Audio encoding Audio encoding Audio input/output Network	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a ,	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252	
Audio Audio streaming Audio encoding Audio input/output Network Security	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour),	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot 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,	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-78,	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS)a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPa, 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, CDP, MQTT v3.1.1, Syslog, Link-Local address	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10,	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported protocols	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot 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, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Storage conditions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot 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, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Storage conditions Approvals	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, 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. 60950-22IS 13252 Environment EN 50581, 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, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported protocols System integral Application Programming	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot 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, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) tion Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com	Storage conditions Approvals Dimensions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267 240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount	
Audio Audio streaming Audio encoding Audio encoding Audio input/output Network Security Supported protocols System integral Application	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot 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, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) tion Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection	Storage conditions Approvals Dimensions Weight	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267 240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount 1.8 kg (4.0 lb) including wall mount	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported protocols System integral Application Programming Interface	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , OoS 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, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) tion 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 ONVIF [®] Profile T, specification at onvif.org	Storage conditions Approvals Dimensions	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-17, IEC 60068-2-18, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267 240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount 1.8 kg (4.0 lb) including wall mount AXIS T94Q01A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported protocols System integral Application Programming Interface	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS)a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPa, 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, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) tion Open API for software integration, including VAPIXa and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIFa Profile G, ONVIFa Profile M, ONVIFa Profile S, and ONVIFa Profile G, Section at onvif.org Audio: audio detection Device status: above operating temperature, above or below	Storage conditions Approvals Dimensions Weight Included accessories	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267 240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount 1.8 kg (4.0 lb) including wall mount AXIS T94Q01A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder 1-user license	
Audio Audio encoding Audio encoding Audio input/output Network Security Supported protocols System integral Application Programming Interface	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS)a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa, OoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPa, 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, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) tion Open API for software integration, including VAPIXa and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIFa Profile G, ONVIFa Profile M, ONVIFa Profile S, and ONVIFa Profile T, specification at onvif.org Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system	Storage conditions Approvals Dimensions Weight Included	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267 240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount 1.8 kg (4.0 lb) including wall mount AXIS T94Q01A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder	
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Audio Audio encoding Audio encoding Audio input/output Network Security Supported protocols System integral Application Programming Interface	Audio in, simplex 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 External microphone input or line input, automatic gain control Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS)a network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa, OS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPa, 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, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) tion Open API for software integration, including VAPIXa and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIFa Profile G, ONVIFa Profile M, ONVIFa Profile S, and ONVIFa Profile T, specification at onvif.org Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature	Storage conditions Approvals Dimensions Weight Included accessories Optional accessories	Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165° F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing) -40 °C to 65°C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) EMC EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A 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. 60950-22IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-7, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267 240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount AXIS T94001A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder 1-user license AXIS T94R01P Conduit Back Box, AXIS T98A16-VE Surveillance Cabinet Series, AXIS T91B47 Pole Mount, AXIS T90B Illuminators, AXIS T8351 Mk II Microphone 3.5 mm	

www.cxis.com T10140311/EN/M20.2/2201

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:



BOCK OPTRONICS INC.

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





AXIS M1065-LW Network Camera

Full-featured wireless HDTV 1080p camera with edge storage

AXIS M1065-LW features wireless communication and supports microSD card for edge storage. It has a built-in microphone for recording audio, a mini-speaker that can announce pre-recorded messages and a PIR motion sensor for detecting movement even in the dark. The WDR enabled camera offers 1080p resolution at full frame rate, day and night functionality with a mechanical IR cut filter, and IR illumination. It is easy to install with included wall and corner bracket, and has a 110° horizontal field of view.

- > Wireless communication and edge storage
- > Built-in microphone and mini-speaker
- > PIR motion sensor
- > Bracket for wall and corner mount
- > IR illumination







T10066560/EN/M23.5/2102 www.axis.com

AXIS M1065-LW Network Camera

Camera	
Image sensor	1/3" progressive scan RGB CMOS
Lens	Fixed focal length, 2.8 mm, F2.0 Horizontal field of view: 110° Vertical field of view: 61° M12 mount, fixed iris, IR corrected
Day and night	Automatically removable IR cut filter
Minimum illumination	Color: 0.25 lux at 50 IRE F2.0 B/W: 0.05 lux at 50 IRE F2.0, 0 lux with IR illumination on
Shutter speed	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz
Pan/Tilt/Zoom	Digital PTZ
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG
Resolution	1920x1080 HDTV 1080p to 320x240
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions
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
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, day/night shift level, rotation: 0°, 180°, text and image overlay, privacy masks, mirroring of images, WDR, rotation: 0°, 90°, 180°, 270°, including Corridor Format
Audio	
Audio streaming	Two-way, half duplex
Audio encoding	24bit LPCM, AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16 kHz Configurable bit rate
Audio input/output	Built-in microphone (can be disabled), Built-in speaker 82 dB-SPL (at 0.5 m / 20 in)
Network	
Wireless interface	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5.2 GHz (channels 36, 40, 44, 48)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log WPA/WPA2-PSK, WPA, WPA2 Enterprise, WLAN pairing button (WPS) PBC-compatible, Brute force delay protection
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^b , SSL/TLS ^b , CIFS/SMB, Bonjour, UPnP [™] , NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS
System integra	
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; specifications at onvif.org
Event triggers	Analytics, edge storage events Built-in PIR
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP, HTTPS and TCP Video and audio recording to edge storage, activation of IR-LED, audio clip playback, overlay text Pre- and post-alarm video buffering
Data streaming	Event data
Built-in installation aids	Pixel counter
Analytics	
Applications	Included AXIS Motion Guard AXIS Fence Guard AXIS Loitering Guard

AXIS Video Motion Detection, active tampering alarm Supported Audio detection AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling

	installation of third-party applications, see axis.com/acap
General	
Cybersecurity	Signed firmware
Casing	Polycarbonate, aluminum, recycled plastic Color: White NCS S 1002-B For repainting instructions of skin cover or casing and impact or warranty, contact your Axis partner.
Sustainability	PVC-free, 64% recycled plastic
Mounting	1/4"-20 UNC tripod screw thread
Memory	512 MB RAM, 256 MB Flash
Power	4.75-5.25 V DC, typical 2.7 W, max 5.0 W
IR illumination	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
Connectors	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations, see axis.com
PIR sensor	Passive infrared (PIR) motion sensor. Max range: 6 m (19.7 ft)
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 B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 32 Class B, KN24, KN35 Wireless EN 300328, EN 301489-1, EN 301489-17, EN 301893, FCC Part 15 Subpart C, FCC Part 15 Subpart E, RSS-247, TELEC Safety IEC/EN/UL 60950-1, IEC/EN 62471 Network NIST SP500-267
Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
Weight	128 g (0.28 lb)
Included accessories	Power supply, installation Guide, mounting bracket, table top stand, Windows® decoder 1-user license
Optional accessories	AXIS T8415 Installation Display AXIS T91A10 Mounting Kit AXIS Surveillance microSDXC™ Card 64 GB For more accessories, see <i>axis.com</i>
Video management software	AXIS Companion video management software, 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).
b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:

axis.com/environn



For more information please contact:

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AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard



AXIS Q1656-LE Box Camera

Outstanding performance in 4 MP

With 4 MP resolution at up to 60 fps, a 1/1.8" sensor, and Lightfinder 2.0, AXIS Q1656-LE delivers exceptional video quality even in poor light conditions. Plus, a built-in wiper ensures great images in all weather conditions. Based on the latest Axis system-on-chip (SoC), it offers support for advanced features and powerful applications based on deep learning on the edge. And, AXIS Object Analytics offers highly nuanced object classification. This outdoor-ready camera includes premium Q-line functionality and support for PoE and redundant DC power. Furthermore, enhanced security functionality prevents unauthorized access and safeguards your system.

- > Exceptional images with 1/1.8" sensor
- > Support for analytics with deep learning
- > Enhanced security features
- > Premium Axis Q-line camera functionality
- > Built-in wiper for snow and rain







AXIS Q1656-LE Box Camera

Camera	ALC DE CONTRACTOR DE CONTRACTO		IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1, Syslog
Image sensor	1/1.8" progressive scan RGB CMOS	System integra	. , 3
Lens	Varifocal, 3.9–10 mm, F1.5 Horizontal field of view: 113°–47° Vertical field of view: 60°–27° Autofocus, i-CS lens, IR corrected, remote zoom and focus, P-Iris control Minimum focus distance: 0.5 m (1.6 ft)	System integro 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 ONVIF® Profile T, specification at onvif.org
Day and night	Automatically removable infrared-cut filter	Onscreen	Electronic image stabilization
Minimum illumination	4 MP 25/30 fps with Forensic WDR and Lightfinder 2.0 Color: 0.05 lux at 50 IRE, F1.5 B/W: 0.01 lux at 50 IRE, F1.5 4 MP 50/60 fps with Lightfinder 2.0 Color: 0.1 lux at 50 IRE, F1.5 B/W: 0.02 lux at 50 IRE, F1.5 4 MP 25/30 fps with Forensic WDR and Lightfinder 2.0 With optional F0.9 lens Color: 0.02 lux at 50 IRE, F0.9	controls Event conditions	Day/night shift Defogging Wide dynamic range Video streaming indicator IR illumination Timed wiper Wiper Heater Analytics, external input, supervised external input, edge storage
	B/W: 0.004 lux at 50 IRE, F0.9 events, virtual inputs throug 0 lux with IR illumination on Audio: audio detection		events, virtual inputs through API Audio: audio detection
Shutter speed	1/47500 s to 1 s		Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address
System on chip	(SoC)		removed, network lost, new IP address, shock detected, storage
Model	ARTPEC-8		failure, system ready, within operating temperature, casing open Edge storage: recording ongoing, storage disruption
Memory	2048 MB RAM, 8194 MB Flash		I/O: digital input, manual trigger, virtual input
Compute capabilities	Deep learning processing unit (DLPU)		PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event
Video	(1970 - 1971)		Video: live stream open
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	Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Resolution	16:9 2688x1512 Quad HD to 160x90 4:3 2016x1512 to 160x120		Pre- and post-alarm video or image buffering for recording or upload
Frame rate	No WDR: Up to 60/50 fps (60/50 Hz) in all resolutions WDR: Up to 30/25 fps (60/50 Hz) in all resolutions		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, play audio clip, zoom
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG		preset
	Axis Zipstream technology in H.264 and H.265	Data streaming	Event data
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	Built-in installation aids Analytics	Remote zoom and focus, remote back focus, leveling assistant, pixel counter
Multi-view streaming	Up to 8 individually cropped out view areas	AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes)
Image settings	Saturation, contrast, brightness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, defogging, barrel distortion correction, electronic image stabilization, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask		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
Pan/Tilt/Zoom	Digital PTZ, 2.5x optical zoom, preset positions Uploadable PTZ driver (Pelco D pre-installed)	Applications	Included AXIS Object Analytics
Audio	Tue way full dualay		AXIS Video Motion Detection Supported
Audio streaming	Two-way, full duplex Noise reduction		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
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	General Casing	IP66-, IP67-, and NEMA 4X-rated, IK10 impact-resistant aluminum enclosure with integrated dehumidifying membrane
Audio input/output	External microphone input or line input, line output, ring power, digital audio input, automatic gain control		IKO8 impact-resistant glass front window with wiper weathershield with black anti-glare coating
Network			Color: white NCS S 1002-B
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		For repainting instructions, go to the product's support page. For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting.
	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	Sustainability	PVC free, BFR/CFR free, 2% recycled plastics, 7% bio-based plastics Power over Ethernet (PoE) IEEE 202 201/202 201 Type 2 Close 4
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ^b , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP,	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4 Typical 11.8 W, max 25.5 W 10–28 V DC, typical 11.2 W, max 25.5 W

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	Power redundancy
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T POE Terminal block for two supervised and two unsupervised configurable inputs / digital outputs (12 V DC output, max load 50 mA) RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block DC input, terminal block, 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)
IR illumination	OptimizedIR with power-efficient, long-life 850 nm and 940 nm IR LEDs 850 nm: Range of reach 50 m (164 ft) or more depending on the scene 940 nm: Range of reach 40 m (131 ft) or more depending on the scene
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) Arctic Temperature Control: Start-up at -40 °C (-40 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC CISPR 24, CISPR 35, 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(B)/NMB-3(B), EN 50121-4, IEC 62236-4, KS C 9832 Class A, KS C 9815, KS C 9835, KS C 9547, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety

	IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471 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/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), ISO 21207 (Method B) Network NIST SP500-267
Dimensions	404 x 159 x 182 mm (16 x 6.3 x 7.2 in)
Weight	4.4 kg (9.7 lb)
Included accessories	AXIS T94Q01A Wall Mount, sunshield, connector kit, resistorx® T20 tool, installation guide, Windows® decoder 1-user license
Optional accessories	AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards For more accessories, see <i>axis.com</i>
Optional lenses	Lens CS 4-10 mm F0.9 P-Iris Lens i-CS 9-50 mm F1.5 8 MP Lens CS 12-50 mm F1.4 P-Iris 8 MP
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

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