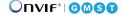# AXIS Q9216-SLV Network Camera
Impact-resistant anti-ligature camera

AXIS Q9216-SLV is a compact and robust ligature-resistant (anti-ligature) corner-mount camera that delivers 4 MP video quality. It covers 125 degrees horizontally and 95 degrees vertically, with no blind spots. Featuring invisible IR illumination, it's ideal for covert video surveillance in complete darkness. With an IK11/IP66 rated casing, it also includes a removable built-in microphone and an indication LED. The camera has polygonal privacy masking, which allows for flexible coverage and helps ensure occupant privacy is respected. Furthermore, signed firmware and a Trusted Platform Module (TPM, FIPS 140-2 level 2 certified) help prevent unauthorized access and safeguard your system.

> **Anti-ligature, robust (IK11)**
> **Corner camera – no blind spots**
> **WDR and invisible IR (940 nm)**
> **Compact design – easy to install**
> **Zipstream supporting H.264 and H.265**

AXIS Q9216-SLV Network Camera

Models	AXIS Q9216-SLV Network Camera Steel AXIS Q9216-SLV Network Camera White

Camera

Image sensor	1/2.5" progressive scan RGB CMOS
Lens	2.4 mm, F2.0 Horizontal field of view: 125° Vertical field of view: 95° Fixed focus, fixed iris, M12 mount
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**Color:** 0.23 lux at F2.1 **B/W:** 0.05 lux at F2.1 0 lux with IR illumination on
Shutter speed	1/32500 s to 1/5 s

System on chip (SoC)

Model	S5L
Memory	1024 MB RAM, 512 MB Flash

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High profile H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	2304 x 1728 to 320x 240
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 HDMI
Multi-view streaming	2 individually cropped out view areas
HDMI output	HDMI 1080p (16:9) @25/30 fps (50/60 Hz) HDMI 720p (16:9) @50/60 fps (50/60 Hz)
Pan/Tilt/Zoom	Digital PTZ
Image settings	Saturation, contrast, brightness, sharpness, WDR, white balance, day/night threshold, exposure mode, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask

Audio

Audio streaming	Two-way, full duplex
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, line output, built-in microphone (removable) Balanced audio in and audio out is supported

Network

Security	IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, user access log, centralized certificate management
Network protocols	IPv4,IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS[a], TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3(MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, SIP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

System integration

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* Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
Event conditions	Analytics, shock detection, casing open, edge storage events, supervised external input, audio level, time scheduled

	MQTT subscribe
Event actions	Calls: answer, end SIP calls, make SIP calls Upload of images or video clips: FTP, HTTP, HTTPS, SFTP, email and network share Notification: HTTP, HTTPS, TCP and email Audio clips, day-night mode, guard tours, I/O, IR illumination, overlay text, power saving mode, preset positions, prioritized text, recordings, SNMP trap messages, status LED, WDR mode MQTT publish
Data streaming	Event data
Built-in installation aids	Pixel counter, adjustable IR illumination intensity

Analytics

Applications	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption **Hardware:** Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[a], HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
Documentation	*AXIS OS Hardening Guide* *Axis Vulnerability Management Policy* *Axis Security Development Model* AXIS OS Software Bill of Material (SBOM) To download documents, go to *axis.com/support/cybersecurity/resources* To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

General

Casing	Anti-ligature and anti-grip stainless steel casing and polycarbonate hard-coated dome. IP66-, IP69-, IP6K9K- and NEMA 4X-rated IK11 50 joules impact-resistant **Steel:** Color: Stainless steel **White:** Color: White NCS S 1002-B For repainting instructions of casing and impact on warranty, contact your Axis partner.
Sustainability	PVC free, BFR/CFR free
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max. 10.8 W Typical 4.7 W (default IR) Typical 3.9 W (power-saving mode with limited IR)
Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised digital input and 1 digital output (12 V DC output, max. load 25 mA) 3.5 mm mic/line in, 3.5 mm line out HDMI type D
IR illumination	Power-efficient, long-life and invisible 940 nm IR LED. Range of reach up to 15 m (49 ft) depending on the scene Optional power-saving mode to minimize IR LED power consumption
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 50 °C (-4 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -20 °C (-4 °F) to 55 °C (131 °F) Humidity 10-85% RH (condensing)

Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	**EMC** EN 50130-4, EN 55032 Class A, EN 55035, IEC/EN 61000-6-1, IEC/EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, KC KN–32 Class A, KC KN-35, RCM AS/NZS CISPR 32 Class A, CISPR 24, CISPR 35 **Safety** IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN 62471, IS 13252 **Environment** EN 50130–5 Class I, 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, EN 60529 IP69, ISO 20653 IP6K9K, IEC/EN 62262 IK11, NEMA 250 Type 4X **Network** NIST SP500-267
Dimensions	Height: 131 mm (5.16 in) Width: 209 mm (8.23 in) Depth: 176 mm (6.93 in) Height when corner–mounted: 116 mm (4.57 in) Depth when corner–mounted: 148 mm (5.83 in)

Weight	1.6 kg (3.5 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, AVHS Authentication key, AXIS Device Microphone A, AXIS Connector A 4–pin 2.5 straight, cable gaskets, RESISTORX® 20 bit
Optional accessories	AXIS TQ9601 Conduit Top Box, AXIS T8645 PoE+ over Coax Compact AXIS Surveillance Cards For more accessories, see *axis.com*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at *axis.com/vms*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see *axis.com/warranty*

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

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