

# 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

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| <b>Variants</b>                          | AXIS Q9216-SLV Network Camera Steel<br>AXIS Q9216-SLV Network Camera White  |                                   | MQTT subscribe  |
| <b>Camera</b>                            |   | <b>Event actions</b>              | Calls: answer, end SIP calls, make SIP calls<br>Upload of images or video clips: FTP, HTTP, HTTPS, SFTP, email and network share<br>Notification: HTTP, HTTPS, TCP and email<br>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<br>MQTT publish   |
| <b>Image sensor</b>                      | 1/2.5" progressive scan RGB CMOS  | <b>Data streaming</b>             | Event data  |
| <b>Lens</b>                              | 2.4 mm, F2.0<br>Horizontal field of view: 125°<br>Vertical field of view: 95°<br>Fixed focus, fixed iris, M12 mount   | <b>Built-in installation aids</b> | Pixel counter, adjustable IR illumination intensity   |
| <b>Day and night</b>                     | Automatically removable infrared-cut filter   | <b>Analytics</b>                  |   |
| <b>Minimum illumination</b>              | Color: 0.23 lux at F2.1<br>B/W: 0.05 lux at F2.1<br>0 lux with IR illumination on   | <b>Applications</b>               | Included<br>AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard<br>active tampering alarm<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>  |
| <b>Shutter speed</b>                     | 1/32500 s to 1/5 s  | <b>Approvals</b>                  |   |
| <b>System on chip (SoC)</b>              |   | <b>EMC</b>                        | EN 50130-4, EN 55032 Class A, EN 55035, IEC/EN 61000-6-1, IEC/EN 61000-6-2, CISPR 24, CISPR 35<br>Australia/New Zealand: RCM AS/NZS CISPR 32 Class A<br>Canada: ICES-3(A)/NMB-3(A)<br>Japan: VCCI Class A<br>Korea: KC KN-32 Class A, KC KN-35<br>USA: FCC Part 15 Subpart B Class A  |
| <b>Model</b>                             | S5L   | <b>Safety</b>                     | IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN 62471, IS 13252  |
| <b>Memory</b>                            | 1024 MB RAM, 512 MB Flash   | <b>Environment</b>                | 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  |
| <b>Video</b>                             |   | <b>Network</b>                    | NIST SP500-267  |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Main and High profile<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG  | <b>Cybersecurity</b>              | FIPS 140  |
| <b>Resolution</b>                        | 2304 x 1728 to 320x 240   | <b>Cybersecurity</b>              |   |
| <b>Frame rate</b>                        | Up to 30/25 fps (60/50 Hz) in all resolutions   | <b>Edge security</b>              | <b>Software:</b> Signed OS, 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<br><b>Hardware:</b> Axis Edge Vault cybersecurity platform<br>TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot   |
| <b>Video streaming</b>                   | Multiple, individually configurable streams in H.264, H.265 and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>HDMI   | <b>Network security</b>           | IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> , HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall  |
| <b>Multi-view streaming</b>              | 2 individually cropped out view areas   | <b>Documentation</b>              | <i>AXIS OS Hardening Guide</i><br><i>Axis Vulnerability Management Policy</i><br><i>Axis Security Development Model</i><br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a><br>To read more about Axis cybersecurity support, go to <a href="http://axis.com/cybersecurity">axis.com/cybersecurity</a> |
| <b>HDMI output</b>                       | HDMI 1080p (16:9) @25/30 fps (50/60 Hz)<br>HDMI 720p (16:9) @50/60 fps (50/60 Hz)   | <b>General</b>                    |   |
| <b>Pan/Tilt/Zoom</b>                     | Digital PTZ   | <b>Casing</b>                     | Anti-ligature and anti-grip stainless steel casing and polycarbonate hard-coated dome.<br>IP66-, IP69-, IP6K9K- and NEMA 4X-rated<br>IK11 50 joules impact-resistant<br>Steel: Color: Stainless steel<br>White: Color: White NCS S 1002-B<br>For repainting instructions of casing and impact on warranty, contact your Axis partner.   |
| <b>Image settings</b>                    | 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  | <b>Sustainability</b>             | PVC free, BFR/CFR free  |
| <b>Audio</b>                             |   | <b>Power</b>                      | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3<br>Max. 10.8 W<br>Typical 4.7 W (default IR)<br>Typical 3.9 W (power-saving mode with limited IR)   |
| <b>Audio streaming</b>                   | Two-way, full duplex  | <b>Connectors</b>                 | RJ45 10BASE-T/100BASE-TX PoE  |
| <b>Audio encoding</b>                    | 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz<br>Configurable bit rate  |                                   |   |
| <b>Audio input/output</b>                | External microphone input or line input, line output, built-in microphone (removable)<br>Balanced audio in and audio out is supported   |                                   |   |
| <b>Network</b>                           |   |                                   |   |
| <b>Security</b>                          | IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, user access log, centralized certificate management   |                                   |   |
| <b>Network protocols</b>                 | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3(MIB-II), DNS/DNSv6, DDNS, NTP, 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)   |                                   |   |
| <b>System integration</b>                |   |                                   |   |
| <b>Application Programming Interface</b> | Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a><br>One-Click Cloud Connection<br>ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a><br>Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX |                                   |   |
| <b>Event conditions</b>                  | Analytics, shock detection, casing open, edge storage events, supervised external input, audio level, time scheduled  |                                   |   |

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|                             | 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)<br>3.5 mm mic/line in, 3.5 mm line out<br>HDMI type D  |
| <b>IR illumination</b>      | Power-efficient, long-life and invisible 940 nm IR LED. Range of reach up to 15 m (49 ft) depending on the scene<br>Optional power-saving mode to minimize IR LED power consumption  |
| <b>Storage</b>              | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a> |
| <b>Operating conditions</b> | -20°C to 50 °C (-4 °F to 122 °F)<br>Maximum temperature (intermittent): 55 °C (131 °F)<br>Start-up temperature: -20 °C (-4 °F) to 55 °C (131 °F)<br>Humidity 10-85% RH (condensing)  |
| <b>Storage conditions</b>   | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5-95% RH (non-condensing)   |
| <b>Dimensions</b>           | Height: 131 mm (5.16 in)<br>Width: 209 mm (8.23 in)<br>Depth: 176 mm (6.93 in)   |

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|                                  | Height when corner-mounted: 116 mm (4.57 in)<br>Depth when corner-mounted: 148 mm (5.83 in)  |
| <b>Weight</b>                    | 1.6 kg (3.5 lb)  |
| <b>Included accessories</b>      | 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                |
| <b>Optional accessories</b>      | AXIS TQ9601 Conduit Top Box,<br>AXIS T8645 PoE+ over Coax Compact<br>AXIS Surveillance Cards<br>For more accessories, see <a href="http://axis.com">axis.com</a>                             |
| <b>Video management software</b> | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>                        |
| <b>Languages</b>                 | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese |
| <b>Warranty</b>                  | 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>  |

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