

AXIS Q3518-LVE

Outdoor-ready fixed dome for solid performance in 4K

AXIS Q3518-LVE Network Camera is a vandal-resistant fixed dome for harsh environments with a weathershield protecting against sun, rain and snow. Thanks to its top-quality image sensor, Forensic WDR, Lightfinder technology, and OptimizedIR illumination, the camera provides unparalleled video quality in any light conditions. Electronic image stabilization is instrumental for smooth and steady video when the camera is subject to vibrations. AXIS Q3518-LVE offers redundancy between Power over Ethernet and DC power. Video analytics, supervised inputs and digital outputs further support the surveillance task.

- > **4K video at full frame rate**
- > **Forensic WDR, Lightfinder, and OptimizedIR**
- > **Axis Zipstream technology**
- > **EIS and vandal resistance with IK10+ rating**
- > **Power with redundancy and configurable I/O ports**



AXIS Q3518-LVE

| Camera | |
|--------------------------------|--|
| Image sensor | Progressive scan RGB CMOS 1/1.7" |
| Lens | Varifocal, 4.3-8.6 mm, F1.5 Remote focus and zoom, P-Iris control, IR-corrected Horizontal field of view: 93° - 48° Vertical field of view: 51° - 27° |
| Day and night | Automatically removable infrared-cut filter |
| Minimum illumination | Color: 0.15 lux at 50 IRE, F1.5 B/W: 0.03 lux at 50 IRE, F1.5 0 lux with IR illumination on |
| Shutter speed | 1/28500 to 2 s |
| Camera angle adjustment | Pan: 360° Tilt: ±80° Rotation: ±175° |

| System on chip (SoC) | |
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| Model | ARTPEC-6 |
| Memory | 1 GB RAM, 512 MB Flash |

| Video | |
|-----------------------------|---|
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG |
| Resolution | 3840x2160 to 160x120 |
| Frame rate | 25/30 fps with power line frequency 50/60 Hz |
| 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 |
| Multi-view streaming | 8 individually cropped-out view areas |
| Pan/Tilt/Zoom | Digital PTZ, optical zoom, preset positions |
| Image settings | Compression, color, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, exposure control (including automatic gain control), defogging, exposure zones, fine tuning of behavior at different light levels, Forensic WDR: Up to 120 dB depending on scene, electronic image stabilization, dynamic text and image overlay, privacy masks, mirroring of images, rotation: 0°, 90°, 180°, 270°, auto, including corridor format |

| Audio | |
|---------------------------|--|
| Audio streaming | Full-duplex |
| Audio encoding | 24-bit LPCM 48 kHz, AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8kHz, Opus 8/16/48 kHz Configurable bitrate |
| Audio input/output | Input for external microphone or line-level device Line output Automatic gain control |

| Network | |
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| Security | Password protection, IP address filtering, IEEE 802.1X (EAP-TLS) network access control ^a , HTTPS ^a encryption, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware |
| Network protocols | IPv4, IPv6 USGv6, HTTP, HTTPS ^a , HTTP/2, 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, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) |

| System integration | |
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| 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 |

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| Event triggers | Analytics, supervised external inputs, virtual inputs through API, edge storage events, shock detection MQTT subscribe |
| Event actions | Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, external output activation, play audio clip, zoom preset MQTT publish |
| Data streaming | Event data |
| Built-in installation aids | Remote zoom, remote focus, pixel counter, leveling assistant, autorotation, straighten image |

| Analytics | |
|---------------------|--|
| Applications | Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Perimeter Defender, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap |

| General | |
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| Casing | IP66-, IP67-, IP6K9K- and NEMA 4X-rated, IK10+ (50 joules) impact-resistant casing with polycarbonate hard-coated dome, aluminum base and dehumidifying membrane Encapsulated electronics, captive screws Color: White NCS S 1002-B For repainting instructions of casing or skin cover and impact on warranty, contact your Axis partner. |
| Mounting | Mounting bracket with holes for junction boxes (double-gang, single-gang, 4" square, and 4" octagon) and for ceiling and wall mounting ¾" (M25) conduit side entry |
| Sustainability | PVC-free |
| Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7.1 W, max 12.6 W 8-28 V DC, typical 7.7 W, max 13.4 W Power redundancy |
| Connectors | RJ45 10BASE-T/100BASE-TX PoE, terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max load 50 mA), 3.5 mm mic/line in, 3.5 mm line out, terminal block for DC input |
| IR illumination | Optimized IR with power-efficient, long-life 850 nm IR LEDs Range 40 m (130 ft) or more, depending on the scene |
| 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 |
| Operating conditions | -50 °C to 60 °C (-58 °F to 140 °F) Start-up: -40 °C to 60 °C (-40 °F to 140 °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 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, IEC/EN 61000-6-1, IEC/EN 61000-6-2, FCC Part 15, Subpart B, Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A, KCC KN32 Class A, KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471, IS 1352 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 NEMA 250 Type 4X, IEC/EN 62262 IK10+ (50J), ISO 20653 IP6K9K IEC/EN 60529 IP66/67 Network NIST SP500-267 |
| Dimensions | Height: 182 mm including weathershield |

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| | ø 183 mm | | |
| Weight | 2.0 kg (4.4 lb) including weathershield | Video management software | AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms |
| Included accessories | Installation guide, Windows® decoder 1-user license, drill hole template, cable gaskets, I/O and DC connectors, connector guard, weathershield, Axis U-shape conduit adapter | Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| Optional accessories | AXIS Q35 Smoked Dome A, AXIS Dome Intrusion Switch B, AXIS Multicable B I/O Audio Power AXIS Q35-VE Skin Cover A Black, AXIS ACI Conduit Adapter 3/4" NPS, AXIS T94M01D Pendant Kit including weathershield, AXIS T94M02L Recessed Mount, AXIS T8351 Microphone, Axis Mounts Et Cabinets For more accessories, see axis.com | Warranty | 5-year warranty, see axis.com/warranty |
| | | | a. <i>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).</i> |
| | | Environmental responsibility: | axis.com/environmental-responsibility |