AXIS Q3517-LVE Network Camera
Outdoor-ready fixed dome for solid performance in 5 MP

AXIS Q3517-LVE is a vandal-resistant fixed dome for harsh environments with a weathershield protecting against snow, rain and reflections. Thanks to its top-quality image sensor, along with 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 subject to vibrations. The camera offers redundancy between Power over Ethernet and DC power. Video analytics, supervised inputs and digital outputs further support the surveillance assignment.

> 5 MP resolution at full framerate
> Forensic WDR, Lightfinder and OptimizedIR
> Axis Zipstream technology
> EIS and vandal resistance with IK10+ rating
> Power with redundancy and configurable I/O ports
AXIS Q3517-LVE Network Camera

**Camera**
- **Image sensor:** Progressive scan RGB CMOS 1/1.8"
- **Lens:** Varifocal, 4.3-8.6 mm, F1.5
  - Vertical field of view: 96° – 50°
  - Remote focus and zoom, P-Iris control, IR-corrected
- **Day and night:** Automatically removable infrared-cut filter
- **Minimum illumination:**
  - 5MP: 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, 0 lux with IR illumination
  - 4MP: 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
- **Shutter time:** 1/71 500 s to 2 s
- **Camera angle adjustment:** Pan: ±360°
  - Tilt: ±90°
  - Rotation: ±175°

**Video**
- **Video compression:** H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
  - Motion JPEG
- **Resolution:** 3072x1728 to 160x120
- **Frame rate:**
  - 5MP with WDR: 25/30 fps with power line frequency 50/60 Hz
  - 4MP without WDR: 50/60 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/ABR/MBR H.264
- **Multi-view streaming:** 8 individually cropped-out view areas
- **Pan/Tilt/Zoom:** Digital PTZ, Optical zoom, Preset positions
- **Image settings:** Scene profiles, 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, barrel distortion correction, dynamic text and image overlay, privacy masks, mirroring of images, straighten image, rotation: 0°, 90°, 180°, 270°, auto, including corridor format

**Audio**
- **Audio streaming:** Full-duplex
- **Audio compression:** 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

**Network**
- **Security:** Password protection, IP address filtering, IEEE 802.1X (EAP-TLS) network access control, HTTPS encryption, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
- **Supported protocols:** IPv4, IPv6, USGv6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CF/SSF/SMW, SMTP, Bonjour, UDH/TM, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP

**System Integration**
- **Application Programming Interface:** Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com
  - AXIS Guardian with One-Click Connection
  - ONVIF Profile G, 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

**Analytics**
- **Included:**
  - AXIS Video Motion Detection, AXIS Motion Guard,
  - AXIS Fence Guard, AXIS Loitering Guard, 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/soap

**Event triggers**
- **Analytics, supervised external inputs, virtual inputs through API, edge storage events, shock detection**

**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

**Data streaming**
- **Event data**

**Built-in installation aids**
- Remote zoom, remote focus, pixel counter, leveling assistant, autorotation, straighten image, traffic wizard

**General**
- **Casing:** IP66, IP67, IP69K 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 S1002-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
  - ¼" (M25) conduit side entry

- **Sustainability:**
  - PVC-free

- **Memory:**
  - 1 GB RAM, 512 MB Flash

- **Power:**
  - Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1
  - Class 3, typical 6.5 W, max 12.9 W
  - 8–28 V DC, typical 6.9 W, max 14.5 W
  - Power redundancy

- **Connectors:**
  - RJ45 10BASE-T/100BASE-TX PoE, terminal block for two configurable supervisied 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:**
  - OptimizedIR 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
  - Support for recording to network-attached storage (NAS)
  - For SD card and NAS recommendations see axis.com

- **Operating conditions:**
  - -50 °C to 60 ºC (-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:**
  - IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471, IS 13252
- **Environment:**
  - IEC 60608-2-1, IEC 60608-2-2, IEC 60608-2-6, IEC 60608-2-14, IEC 60608-2-27, IEC 60608-2-78
  - NEMA 250 Type 4X, IEC/EN 62622 IK10+ (50J), ISO 20653 IP6X9K IEC/EN 60529 IP6X9Y
  - Temperature: 40°F to 140°F (4°C to 60°C)
  - Humidity: 0-95% RH (non-condensing)

**Dimensions**
- **Height:** 182 mm including weathershied
| **Weight** | 2.0 kg (4.4 lb) including weathershield |
| **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, Rezistor® T20 L-key, mounting bracket |
| **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 T94M020, Recessed Mount, AXIS T835 Microphone, Axis Mounts & Cabinets |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| **Warranty** | Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty |

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

Environmental responsibility: axis.com/environmental-responsibility