AXIS Q3517-LV Network Camera

Fixed dome for solid performance in 5 MP

AXIS Q3517-LV is a vandal-resistant fixed dome for demanding locations. 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, IK10 vandal resistance, IP52 water and dust protection**

> **Power with redundancy and configurable I/O ports**

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Camera

Image sensor	Progressive scan RGB CMOS 1/1.8"
Lens	Varifocal, 4.3-8.6 mm, F1.5 Horizontal field of view: 96° – 50° Vertical field of view: 53° – 29° 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 **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 on
Shutter speed	1/71 500 s to 2 s
Camera adjustment	**Pan:** 360° **Tilt:** ±80° **Rotation:** ±175°

System on chip (SoC)

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	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/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 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

Network protocols	IPv4, IPv6 USGv6, HTTP, HTTPS, HTTP/2, TLS, 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, 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
Video management systems	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at *axis.com/vms*.
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, traffic wizard

Analytics

Applications	**Included** AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio detection **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 installation of third-party applications, see *axis.com/acap*

Approvals

EMC	EN 55032 Class A, EN 55024, IEC/EN 61000-6-1, IEC/EN 61000-6-2 **Australia/New Zealand:** RCM AS/NZS CISPR 22 Class A **Canada:** ICES-003 Class A **Japan:** VCCI Class A **Korea:** KCC KN32 Class A, KN35 **USA:** FCC Part 15 Subpart B Class A
Safety	IEC/EN/UL 60950-1, IEC/EN 62471, 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 IP52, IEC/EN 62262 IK10
Network	NIST SP500-267

General

Casing	IP52-rated, IK10 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 ½" (M20) conduit side entry
Sustainability	PVC-free
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 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	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 (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*

Operating conditions	–10 °C to 50 °C (14 °F to 122 °F) Humidity 10–85% RH (non-condensing)	**Optional accessories**	AXIS Q35 Smoked Dome A, AXIS Dome Intrusion Switch B, AXIS Multicable B I/O Audio Power AXIS Q35-V Skin Cover A Black, Axis ACI Conduit Adapters, AXIS T94K01D Pendant Kit, AXIS T94K02L Recessed Mount, AXIS Dome Microphone A, AXIS T83 Microphones, Axis Mounts For more accessories, see *axis.com*
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	**Languages**	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Dimensions	Height: 124 mm ø 162 mm	**Warranty**	5-year warranty, see *axis.com/warranty*
Weight	1.4 kg (3.1 lb)		
Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, cable gaskets, I/O and DC connectors, connector guard, Resistorx® T20 L-key, mounting bracket		

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