

## 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**



# AXIS Q3517-LV Network Camera

<b>Camera</b>		
<b>Image sensor</b>	Progressive scan RGB CMOS 1/1.8"	
<b>Lens</b>	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	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	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	
<b>Shutter speed</b>	1/71 500 s to 2 s	
<b>Camera angle adjustment</b>	Pan: 360° Tilt: ±80° Rotation: ±175°	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-6	
<b>Memory</b>	1 GB RAM, 512 MB Flash	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	
<b>Resolution</b>	3072x1728 to 160x120	
<b>Frame rate</b>	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	
<b>Video streaming</b>	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	
<b>Multi-view streaming</b>	8 individually cropped-out view areas	
<b>Pan/Tilt/Zoom</b>	Digital PTZ, optical zoom, preset positions	
<b>Image settings</b>	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	
<b>Audio</b>		
<b>Audio streaming</b>	Full-duplex	
<b>Audio encoding</b>	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	
<b>Audio input/output</b>	Input for external microphone or line-level device Line output Automatic gain control	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, IEEE 802.1X (EAP-TLS) network access control <sup>a</sup> , HTTPS <sup>a</sup> encryption, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	
<b>Network protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>TM</sup> , 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)	
<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> One-click Cloud Connection	
		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> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
<b>Event triggers</b>	Analytics, supervised external inputs, virtual inputs through API, edge storage events, shock detection MQTT subscribe	
<b>Event actions</b>	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	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Remote zoom, remote focus, pixel counter, leveling assistant, autorotation, straighten image, traffic wizard	
<b>Analytics</b>		
<b>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio detection <b>Supported</b> 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 <a href="http://axis.com/acap">axis.com/acap</a>	
<b>General</b>		
<b>Casing</b>	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.	
<b>Mounting</b>	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	
<b>Sustainability</b>	PVC-free	
<b>Power</b>	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	
<b>Connectors</b>	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	
<b>IR illumination</b>	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range 40 m (130 ft) or more, depending on the scene	
<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	-10 °C to 50 °C (14 °F to 122 °F) Humidity 10–85% RH (non-condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	
<b>Approvals</b>	EMC EN 55032 Class A, 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 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 <b>Network</b> NIST SP500-267
<b>Dimensions</b>	Height: 124 mm ø 162 mm
<b>Weight</b>	1.4 kg (3.1 lb)
<b>Included accessories</b>	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
<b>Optional accessories</b>	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](http://axis.com)

<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, Traditional Chinese
<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)).*

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)