AXIS Q3515-LVE Network Camera

Outdoor-ready fixed dome for solid performance in HDTV 1080p

AXIS Q3515-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.

> **HDTV 1080p video in full frame rate with Forensic WDR**

> **Lightfinder and OptimizedIR**

> **Axis Zipstream technology**

> **EIS and vandal resistance with IK10+ rating**

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

AXIS Q3515-LVE Network Camera

Models	AXIS Q3515-LVE 9 mm AXIS Q3515-LVE 22 mm

Camera

Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	Varifocal, Remote focus and zoom, P-Iris control, IR corrected **9 mm:** 3–9 mm, F1.3 Horizontal field of view: 105°–36° Vertical field of view: 57°–21° **22 mm:** 9–22 mm, F1.6 Horizontal field of view: 36°–15° Vertical field of view: 19°–9°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**9 mm: HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:** Color: 0.07 lux at 50 IRE, F1.3; B/W: 0.01 lux at 50 IRE, F1.3 **HDTV 1080p 50/60 fps with Forensic WDR and Lightfinder:** Color: 0.14 lux at 50 IRE, F1.3; B/W: 0.03 lux at 50 IRE, F1.3 **HDTV 1080p 100/120 fps:** Color: 0.28 lux at 50 IRE, F1.3; B/W: 0.06 lux at 50 IRE, F1.3 **22 mm: HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:** Color: 0.11 lux at 50 IRE, F1.6; B/W: 0.02 lux at 50 IRE, F1.6 **HDTV 1080p 50/60 fps with Forensic WDR:** Color: 0.22 lux at 50 IRE, F1.6; B/W: 0.04 lux at 50 IRE, F1.6 **HDTV 1080p 100/120 fps:** Color: 0.44 lux at 50 IRE, F1.6; B/W: 0.08 lux at 50 IRE, F1.6 0 lux with IR illumination on
Shutter speed	1/66500 to 2 s
Camera angle 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	1920x1080 to 160x90
Frame rate	**HDTV 1080p (1920x1080) with WDR:** Up to 50/60 fps with power line frequency 50/60 Hz **HDTV 1080p (1920x1080) without WDR:** Up to 100/120 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 **9 mm:** 3x optical zoom, 2x digital zoom **22 mm:** 2.4x optical zoom, 2x digital zoom
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

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

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
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 Perimeter Defender, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

General

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 5.6 W, max 12.5 W 8–28 V DC, typical 6.3 W, max 13.6 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 **9 mm:** Range of reach 40 m (130 ft) or more depending on the scene **22 mm:** Range of reach 60 m (200 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*		**Weight**	2.0 kg (4.4 lb) including weathershield
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)		**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, Resistorx® T20 L-key, mounting bracket
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)		**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 & Cabinets For more accessories, see *axis.com*
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 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 NEMA 250 Type 4X, IEC/EN 62262 IK10+ (50J), ISO 20653 IP6K9K IEC/EN 60529 IP66/67 **Network** NIST SP500-267		**Video management software**	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at *axis.com/vms*
			Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
			Warranty	5-year warranty, see *axis.com/warranty*
Dimensions	Height: 182 mm including weathershield ø 183 mm			

a. *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).*

Environmental responsibility:

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