

# AXIS Q3538-LVE Dome Camera

## Advanced 8 MP dome with deep learning

With superior 4K resolution, Lightfinder 2.0, Forensic WDR, and OptimizedIR, AXIS Q3538-LVE delivers outstanding image quality even in the harshest weather and environments. The IR-shielded dome prevents IR reflections ensuring clear, sharp video every time. Built on ARTPEC-8, it offers advanced features and powerful applications based on deep learning. For instance, AXIS Object Analytics comes preinstalled offering highly nuanced object classification. Enclosed in a metal casing, this robust camera features redundant power, sensors for intrusion- and shock detection, and built-in cybersecurity features such as Axis Edge Vault and a FIPS 140-2 level 2 certified Trusted Platform Module (TPM).

- > Superior image quality in 4K
- > Analytics with deep learning
- > IR-shielded dome to prevent reflections
- > Robust, metal casing
- > Built-in cybersecurity features



# AXIS Q3538-LVE Dome Camera

<b>Camera</b>		<b>System integration</b>	
Image sensor	1/1.2" progressive scan RGB CMOS	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> One-click cloud connection (O3C) ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T specification at <a href="https://onvif.org">onvif.org</a>
Lens	Varifocal, 6.2–12.9 mm, F1.6–2.9 Horizontal field of view: 103°–49° Vertical field of view: 56°–28° Varifocal, Remote focus and zoom, P-Iris control, IR corrected	Onscreen controls	Electronic image stabilization Day/night shift Defogging Wide dynamic range Video streaming indicator IR illumination Heater
Day and night	Automatically removable infrared-cut filter	Event conditions	Analytics, external input, supervised external input, edge storage events, virtual inputs through API Audio: audio detection, audio clip playing Call: state, state change Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, shock detected, casing open, storage failure, system ready, within operating temperature Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: digital input, manual trigger, virtual input MQTT subscribe MQTT: stateless Scheduled and recurring: schedule Video: tampering, average bitrate degradation, day-night mode, live stream open
Minimum illumination	<b>Color:</b> 0.07 lux at 50 IRE, F1.6 <b>B/W:</b> 0 lux at 50 IRE, F1.6	Event actions	I/O: toggle I/O once, toggle I/O while the rule is active 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 Calls: end SIP call, make SIP call, answer call MQTT publish Overlay text, external output activation, play audio clip, zoom preset, day/night mode, make call, flash status LED, use lights, set defog mode, send MQTT publish message, set WDR mode
Shutter speed	1/66500 s to 2 s	Built-in installation aids	Leveling assistant, straighten image, image grid, pixel counter
Camera angle adjustment	Pan ±180°, tilt -43 to +80°, rotation ±175°	<b>Analytics</b>	
<b>System on chip (SoC)</b>		AXIS Object Analytics	<b>Object classes:</b> humans, vehicles (types: cars, buses, trucks, bikes) <b>Trigger conditions:</b> line crossing, object in area, time in area <sup>BETA</sup> Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective conformation ONVIF Motion Alarm event
Model	ARTPEC-8	Metadata	<b>Object data:</b> Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Conformance, position <b>Event data:</b> Producer reference, scenarios, trigger conditions
Memory	2048 MB RAM, 8194 MB Flash	Applications	<b>Included</b> AXIS Object Analytics AXIS Video Motion Detection, active tampering alarm, audio detection <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
Compute capabilities	Deep learning processing unit (DLPU)	<b>Cybersecurity</b>	
<b>Video</b>		Edge security	<b>Software:</b> Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption <b>Hardware:</b> Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG		
Resolution	Up to 3840x2160		
Frame rate	<b>With WDR:</b> 25/30 fps with power line frequency 50/60 Hz <b>Without WDR:</b> 50/60 fps with power line frequency 50/60 Hz		
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode Video streaming indicator		
Multi-view streaming	Up to 8 individually cropped out view areas		
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, defogging, barrel distortion correction, electronic image stabilization, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, text and image overlay, dynamic text and image overlay, privacy masks, polygon privacy mask		
Pan/Tilt/Zoom	Digital PTZ, optical zoom, preset positions Limited guard tour, control queue, on-screen directional indicator Tour recording (max 10, max duration 16 minutes each), guard tour (max 100) 2x optical zoom		
<b>Audio</b>			
Audio streaming	Two-way, full duplex		
Audio encoding	24bit LPCM, AAC-LC 8/16/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate		
Audio input/output	External microphone input or line input (balanced or unbalanced), line output, digital audio input, automatic gain control <b>Microphone power:</b> Microphone power 5V on tip, ring power 12V on ring, phantom power 12V on tip/ring		
<b>Network</b>			
Security	IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, user access log, centralized certificate management		
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTCP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)		

Network security	IEEE 802.1X (EAP-TLS) <sup>a</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering	Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing)
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>	Storage conditions -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
<b>General</b>		<b>Approvals</b> <b>EMC</b> CISPR 35, EN 50121-4, EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KS C 9832 Class A, KS C 9835, RCM AS/NZS CISPR 32 Class A, VCCI Class A <b>Safety</b> CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252 <b>Environment</b> IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, ISO 20653 IP6K9K, IEC/EN 62262 IK10+ (50J), NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) <b>Network</b> NIST SP500-267
Casing	IP66-, IP6K9K-, NEMA 4X- and IK10+-rated Polycarbonate hard coated dome Aluminum and plastic casing, polycarbonate (PC) dome, sunshield (PC/ASA) Color: white NCS S 1002-B This product can be repainted For repainting instructions of casing and impact on warranty, contact your Axis partner.	<b>Dimensions</b> Height: 124 mm (4.9 in), 184 mm (7.3 in) including weathershield ø 183 mm (7.2 in)
Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) ¾" (M25) conduit side entry	<b>Weight</b> 2.1 kg (4.6 lb) including weathershield
Sustainability	PVC free	<b>Included accessories</b> Installation guide, Windows® decoder 1-user license, drill hole template, terminal block connectors for DC and I/O, RESISTORX® L-key, connector guard, cable gasket, conduit adapter, mounting bracket, weathershield
Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 9 W, max 23 W 10–28 V DC, typical 9 W, max 24 W	<b>Optional accessories</b> AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards AXIS TQ3807-E Dome Smoked, AXIS T94M01D Pendant Kit For more accessories, see <a href="https://axis.com">axis.com</a>
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE DC input, 3.5 mm mic/line in, 3.5 mm line out Terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max load 50 mA)	<b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 40 m (130 ft) or more depending on the scene	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>	<b>Warranty</b> 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
Operating conditions	-50 °C to 55 °C (-58 °F to 131 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)	

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([openssl.org](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).