

# 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>Image sensor</b>	1/1.2" progressive scan RGB CMOS
<b>Lens</b>	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
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.07 lux at 50 IRE, F1.6 B/W: 0 lux at 50 IRE, F1.6
<b>Shutter speed</b>	1/66500 s to 2 s
<b>Camera adjustment</b>	Pan ±180°, tilt -43 to +80°, rotation ±175°
<b>System on chip (SoC)</b>	
<b>Model</b>	ARTPEC-8
<b>Memory</b>	2048 MB RAM, 8194 MB Flash
<b>Compute capabilities</b>	Deep learning processing unit (DLPU)
<b>Video</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
<b>Resolution</b>	Up to 3840x2160
<b>Frame rate</b>	With WDR: 25/30 fps with power line frequency 50/60 Hz Without WDR: 50/60 fps with power line frequency 50/60 Hz
<b>Video streaming</b>	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
<b>Multi-view streaming</b>	Up to 8 individually cropped out view areas
<b>Image settings</b>	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
<b>Pan/Tilt/Zoom</b>	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>	
<b>Audio features</b>	Automatic gain control Speaker pairing
<b>Audio streaming</b>	Two-way, full duplex
<b>Audio encoding</b>	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
<b>Audio input/output</b>	External microphone input or line input (balanced or unbalanced), line output, digital audio input <b>Microphone power:</b> Microphone power 5V on tip, ring power 12V on ring, phantom power 12V on tip/ring
<b>Network</b>	
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>c</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)
<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="https://axis.com">axis.com</a> One-click cloud connection (O3C) 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="https://onvif.org">onvif.org</a>
<b>Video management systems</b>	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at <a href="https://axis.com/vms">axis.com/vms</a> .
<b>Onscreen controls</b>	Electronic image stabilization Day/night shift Defogging Wide dynamic range Video streaming indicator IR illumination Heater
<b>Edge-to-edge</b>	Speaker pairing
<b>Event conditions</b>	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
<b>Event actions</b>	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
<b>Built-in installation aids</b>	Leveling assistant, straighten image, image grid, pixel counter
<b>Analytics</b>	
<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Scene Metadata, AXIS Image Health Analytics, AXIS Live Privacy Shield <sup>c</sup> , AXIS Video Motion Detection <b>Supported</b> AXIS Perimeter Defender, AXIS License Plate Verifier Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>
<b>AXIS Object Analytics</b>	<b>Object classes:</b> humans, vehicles (types: cars, buses, trucks, bikes, other) <b>Scenarios:</b> line crossing, object in area, time in area, crossline counting, occupancy in area, time in area Up to 10 scenarios <b>Other features:</b> triggered objects visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>AXIS Image Health Analytics</b>	<b>Detection settings:</b> Tampering: blocked image, redirected image Image degradation: blurred image, underexposed image <b>Other features:</b> sensitivity, validation period
<b>AXIS Scene Metadata</b>	<b>Object classes:</b> humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates

	Object attributes: vehicle color, upper/lower clothing color, confidence, position
<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 Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Canada: ICES-3(A)/NMB-3(A) Japan: VCCI Class A Korea: KS C 9832 Class A, KS C 9835 USA: FCC Part 15 Subpart B Class A Taiwan: Railway: IEC 62236-4
<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
<b>Cybersecurity</b>	ETSI EN 303 645, BSI IT Security Label, FIPS 140
<b>Cybersecurity</b>	
<b>Edge security</b>	<b>Software:</b> Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption <b>Hardware:</b> Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)
<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>d</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS <sup>e</sup> , TLS v1.2/v1.3 <sup>f</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
<b>Documentation</b>	<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) 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>
<b>General</b>	
<b>Casing</b>	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>Mounting</b>	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon)

	¾" (M25) conduit side entry
<b>Sustainability</b>	PVC free
<b>Power</b>	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>Connectors</b>	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>IR illumination</b>	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 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) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>
<b>Operating conditions</b>	-50 °C to 55 °C (-58 °F to 131 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Dimensions</b>	Height: 124 mm (4.9 in), 184 mm (7.3 in) including weathershield ø 183 mm (7.2 in)
<b>Weight</b>	2.1 kg (4.6 lb) including weathershield
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, drill hole template, terminal block connector for I/O, RESISTORX® L-key, connector guard, cable gasket, conduit adapter, mounting bracket, weathershield
<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>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>

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