

# AXIS Q3538-LVE Dome Camera

Advanced dome with deep learning and 4K

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. Based on the latest generation Axis system-on-chip (SoC) it offers advanced features and powerful applications based on deep learning. For instance, AXIS Object Analytics comes preinstalled offering highly nuanced object classification. 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](#)
- > [Support for analytics with deep learning](#)
- > [IR-shielded dome to prevent reflections](#)
- > [Built-in cybersecurity features](#)



# AXIS Q3538-LVE Dome Camera

| Camera                                   |   |
|--|---|
| <b>Image sensor</b>                      | 1/1.2" progressive scan RGB CMOS  |
| <b>Lens</b>                              | Varifocal, 6.2–12.9 mm, F1.6–2.9<br>Horizontal field of view: 103°–49°<br>Vertical field of view: 56°–28°<br>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<br>B/W: 0 lux at 50 IRE, F1.6   |
| <b>Shutter speed</b>                     | 1/66500 s to 2 s  |
| <b>Camera angle adjustment</b>           | Pan ±180°, tilt -43 to +80°, rotation ±175°   |
| System on chip (SoC)                     |   |
| <b>Model</b>                             | ARTPEC-8  |
| <b>Memory</b>                            | 2048 MB RAM, 8194 MB Flash  |
| <b>Compute capabilities</b>              | Deep learning processing unit (DLPU)  |
| Video                                    |   |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG   |
| <b>Resolution</b>                        | Up to 3840x2160   |
| <b>Frame rate</b>                        | With WDR: 25/30 fps with power line frequency 50/60 Hz<br>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<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>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<br>Limited guard tour, control queue, on-screen directional indicator<br>Tour recording (max 10, max duration 16 minutes each), guard tour (max 100)<br>2x optical zoom   |
| Audio                                    |   |
| <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<br>Configurable bit rate   |
| <b>Audio input/output</b>                | External microphone input or line input (balanced or unbalanced), line output, digital audio input, automatic gain control<br><b>Microphone power:</b><br>Microphone power 5V on tip, ring power 12V on ring, phantom power 12V on tip/ring   |
| Network                                  |   |
| <b>Security</b>                          | Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)   |
| <b>Supported protocols</b>               | 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, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SOCKS, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)   |
| System integration                       |   |
| <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><br>One-click cloud connection (O3C)<br>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>Onscreen controls</b>                 | Electronic image stabilization<br>Day/night shift<br>Defogging<br>Wide dynamic range<br>Video streaming indicator<br>IR illumination<br>Heater  |
| <b>Event conditions</b>                  | Analytics, external input, supervised external input, edge storage events, virtual inputs through API<br>Audio: audio detection, audio clip playing<br>Call: state, state change<br>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<br>Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay<br>Edge storage: recording ongoing, storage disruption, storage health issues detected<br>I/O: digital input, manual trigger, virtual input<br>MQTT subscribe<br>MQTT: stateless<br>Scheduled and recurring: schedule<br>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<br>Record video: SD card and network share<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email<br>Pre- and post-alarm video or image buffering for recording or upload<br>Notification: email, HTTP, HTTPS, TCP and SNMP trap<br>Calls: end SIP call, make SIP call, answer call<br>MQTT publish<br>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>Data streaming</b>                    | Event data  |
| <b>Built-in installation aids</b>        | Leveling assistant, straighten image, image grid, pixel counter   |
| Analytics                                |   |
| <b>Compute capabilities</b>              | Deep learning processing unit (DLPU)  |
| <b>AXIS Object Analytics</b>             | Object classes: humans, vehicles (types: cars, buses, trucks, bikes)<br><b>Trigger conditions:</b> line crossing, object in area<br>Up to 10 scenarios<br>Metadata visualized with color-coded bounding boxes<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event   |
| <b>Applications</b>                      | <b>Included</b><br>AXIS Object Analytics<br>AXIS Video Motion Detection, active tampering alarm, audio detection<br><b>Supported</b><br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>   |
| General                                  |   |
| <b>Casing</b>                            | IP66-, IP67-, IP6K9K-, NEMA 4X- and IK10+-rated<br>Polycarbonate hard coated dome<br>Aluminum and plastic casing, polycarbonate (PC) dome, sunshield (PC/ASA)<br>Color: white NCS S 1002-B<br>For repainting instructions of casing and impact on warranty, contact your Axis partner.  |

|                             |  |
|-----------------------------|--|
|                             | This product can be repainted  |
| <b>Mounting</b>             | Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon)<br>3/4" (M25) conduit side entry  |
| <b>Sustainability</b>       | PVC free   |
| <b>Power</b>                | Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4<br>Typical 9 W, max 23 W<br>10–28 V DC, typical 9 W, max 24 W  |
| <b>Connectors</b>           | Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE<br>DC input, 3.5 mm mic/line in, 3.5 mm line out<br>Terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max load 50 mA)  |
| <b>IR illumination</b>      | Optimized IR with power-efficient, long-life 850 nm IR LEDs<br>Range of reach 40 m (130 ft) or more depending on the scene   |
| <b>Storage</b>              | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>                             |
| <b>Operating conditions</b> | -50 °C to 60 °C (-58 °F to 140 °F)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)<br>Start-up temperature: -40 °C (-40 °F)<br>Humidity 10–100% RH (non-condensing)  |
| <b>Storage conditions</b>   | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)   |
| <b>Approvals</b>            | EMC<br>CISPR 35, EN 50121-4, EN 55032 Class A, EN 55035,<br>EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2,<br>FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4,<br>KS C 9832 Class A, KS C 9835, RCM AS/NZS CISPR 32 Class A,<br>VCCI Class A |

**Safety**

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

**Environment**

IEC 60068-2-X, IEC/EN 60529 IP66/IP67, ISO 20653 IP6K9K, IEC/EN 62262 IK10+ (50J), NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)

**Network**

NIST SP500-267

|                                  |   |
|----------------------------------|---|
| <b>Dimensions</b>                | Height: 124 mm (4.9 in), 184 mm (7.3 in) including weathershield<br>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 connectors for DC and I/O, RESISTORX® L-key, connector guard, cable gasket, conduit adapter, mounting bracket, weathershield |
| <b>Optional accessories</b>      | AXIS T8415 Wireless Installation Tool<br>AXIS Surveillance Cards<br>AXIS TQ3807-E Dome Smoked, AXIS T94M01D Pendant Kit<br>For more accessories, see <a href="http://axis.com">axis.com</a>                           |
| <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, Polish, 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. ([openssl.org](http://openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).

Environmental responsibility:

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