

# AXIS Q3536-LVE Dome Camera

## Advanced 4 MP dome with deep learning

With 4 MP resolution, Lightfinder 2.0, Forensic WDR, and OptimizedIR, AXIS Q3536-LVE delivers outstanding image quality even in the harshest weather and environments. The IR-shielded dome prevents IR reflections ensuring consistently clear, sharp video. 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).

- > [Outstanding image quality in 4 MP](#)
- > [Analytics with deep learning](#)
- > [Available with wide or tele lens](#)
- > [IR-shielded dome to prevent reflections](#)
- > [Metal casing and built-in cybersecurity features](#)



# AXIS Q3536-LVE Dome Camera

**Variants**  
 AXIS Q3536-LVE 9 mm  
 AXIS Q3536-LVE 29 mm

Microphone power 5V on tip, ring power 12V on ring,  
 phantom power 12V on tip/ring

## Camera

**Image sensor** 1/1.8" progressive scan RGB CMOS

**Lens**  
 AXIS Q3536-LVE 9 mm:  
 Varifocal, 4.3–8.6 mm, F1.5–2.4  
 Horizontal field of view: 103°–53°  
 Vertical field of view: 56°–30°  
 Varifocal, Remote focus and zoom, P-Iris control, IR corrected  
 AXIS Q3536-LVE 29 mm:  
 Varifocal, 11.3–29.4 mm, F1.7  
 Horizontal field of view: 40°–15°  
 Vertical field of view: 22°–9°  
 Varifocal, Remote focus and zoom, P-Iris control, IR corrected

**Day and night** Automatically removable infrared-cut filter

**Minimum illumination**  
 AXIS Q3536-LVE 9 mm  
 Color: 0.06 lux at 50 IRE, F1.5  
 B/W: 0 lux at 50 IRE, F1.5  
 AXIS Q3536-LVE 29 mm:  
 Color: 0.08 lux at 50 IRE, F1.7  
 B/W: 0 lux at 50 IRE, F1.7

**Shutter speed** 1/91000 s to 1 s

**Camera angle adjustment** Pan ±180°, tilt -43 to +80°, rotation ±175°

## System on chip (SoC)

**Model** ARTPEC-8

**Memory** 2048 MB RAM, 8194 MB Flash

**Compute capabilities** Deep learning processing unit (DLPU)

## Video

**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 2688x1512

**Frame rate**  
 With WDR: 25/30 fps with power line frequency 50/60 Hz  
 Without WDR: 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)  
 AXIS Q3536-LVE 9 mm: 2x optical zoom  
 AXIS Q3536-LVE 29 mm: 2.6x optical zoom

## Audio

**Audio features** Automatic gain control  
 Speaker pairing

**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  
 Microphone power:

## Network

**Network protocols** IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, 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)

## System integration

**Application Programming Interface** Open API for software integration, including VAPIX®, metadata, and AXIS Camera Application Platform (ACAP); specifications at [axis.com/developer-community](https://axis.com/developer-community). ACAP includes Native SDK and Computer Vision SDK.  
 One-click cloud connection (O3C)  
 ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T specification at [onvif.org](https://onvif.org)

**Onscreen controls** Electronic image stabilization  
 Day/night shift  
 Defogging  
 Wide dynamic range  
 Video streaming indicator  
 IR illumination  
 Heater

**Edge-to-edge** Speaker pairing

**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

**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

**Built-in installation aids** Leveling assistant, straighten image, image grid, pixel counter

## Analytics

**Applications**  
**Included**  
 AXIS Object Analytics, Scene metadata, AXIS Live Privacy Shield®, AXIS Video Motion Detection  
**Supported**  
 AXIS Perimeter Defender, AXIS License Plate Verifier  
 Support for AXIS Camera Application Platform enabling installation of third-party applications, see [axis.com/acap](https://axis.com/acap)

**AXIS Object Analytics**  
**Object classes:** humans, vehicles (types: cars, buses, trucks, bikes, other)  
**Scenarios:** line crossing, object in area, time in area, crossline counting, occupancy in area, time in area  
 Up to 10 scenarios  
**Other features:** triggered objects visualized with trajectories, color-coded bounding boxes and tables  
 Polygon include/exclude areas  
 Perspective configuration

	ONVIF Motion Alarm event		
<b>Scene metadata</b>	Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Object attributes: vehicle color, upper/lower clothing color, confidence, position		For repainting instructions of casing and impact on warranty, contact your Axis partner.
<b>Approvals</b>		<b>Mounting</b>	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) ¾" (M25) conduit side entry
<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>Sustainability</b>	PVC free
<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>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>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>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>Network</b>	NIST SP500-267	<b>IR illumination</b>	Optimized IR with power-efficient, long-life 850 nm IR LEDs AXIS Q3536-LVE 9 mm: Range of reach 40 m (130 ft) or more depending on the scene AXIS Q3536-LVE 29 mm: Range of reach 60 m (200 ft) or more depending on the scene
<b>Cybersecurity</b>	ETSI EN 303 645, FIPS 140	<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://www.axis.com">axis.com</a>
<b>Cybersecurity</b>		<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>Edge security</b>	Software: Signed firmware, 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 Hardware: 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>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall	<b>Dimensions</b>	Height: 124 mm (4.9 in), 184 mm (7.3 in) including weathershield ø 183 mm (7.2 in)
<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://www.axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://www.axis.com/cybersecurity">axis.com/cybersecurity</a>	<b>Weight</b>	2.1 kg (4.6 lb) including weathershield
<b>General</b>		<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>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	<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://www.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="https://www.axis.com/vms">axis.com/vms</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://www.axis.com/warranty">axis.com/warranty</a>

a. Available for download