

AXIS Q6315-LE PTZ Network Camera

High-end outdoor-ready HDTV 1080p PTZ camera with quick-zoom and laser focus

AXIS Q6315-LE is a high-speed PTZ camera offering HDTV 1080p resolution. It features IR illumination and day/night functionality for surveillance in pitch darkness. With 31x optical zoom, laser focus for precise focus and quick-zoom functionality, it allows you to easily follow fast-moving objects. It includes orientation aid and autotracking 2 with click and track functionality. Privacy masking with mosaic lets you pixelate whole areas of the scene. Plus, with chameleon masking, it automatically changes the color in the masking depending on the background color of the image. Furthermore, the TPM module ensures secure storage of all cryptographic keys and certificates.

- > **1/2" sensor with 31x optical zoom**
- > **IR illumination, D/N functionality, Lightfinder 2.0**
- > **Autotracking 2 and orientation aid**
- > **Laser focus for precise focus with quick-zoom <1 sec zoom speed**
- > **TPM, FIPS 140-2 level 2 certified**



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Variants	AXIS Q6315-LE 50 Hz AXIS Q6315-LE 60 Hz	ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org
Camera		
Image sensor	1/2" progressive scan CMOS	
Lens	Focal length: 6.91 – 214.64 mm, F1.36 – F4.6 Horizontal field of view: 60.6° – 2.0° Vertical field of view: 36.5° – 1.1° Laser focus, autofocus, P-iris Zoom speed: <1 sec between any zoom value	
Day and night	Automatically removable infrared-cut filter	
Minimum illumination	Color: 0.06 lux at 30 IRE, F1.36 B/W: 0.001 lux at 30 IRE, F1.36, 0 lux with IR illumination on Color: 0.09 lux at 50 IRE, F1.36 B/W: 0.008 lux at 50 IRE, F1.36, 0 lux with IR illumination on	
Shutter speed	1/111000 s to 1/2 s with 50 Hz 1/111000 s to 1/2 s with 60 Hz	
Pan/Tilt/Zoom	Pan: 360° endless, 0.05° – 550°/s Tilt: +20 to -90°, 0.05° – 500°/s Zoom: 31x optical, 12x digital, Total 372x zoom Quick-zoom, nadir flip, 300 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, speed dry	
System on chip (SoC)		
Model	ARTPEC-7	
Memory	1024 MB RAM, 512 MB Flash	
Compute capabilities	Machine learning processing unit (MLPU)	
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	1920x1080 (HDTV 1080p) to 320x180	
Frame rate	Up to 50/60 fps (50/60 Hz) in all resolutions	
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	
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, image freeze on PTZ, scene profiles, rotation, electronic image stabilization (EIS), defogging Contrast, local contrast, autofocus, Forensic WDR: Up to 120 dB depending on scene, 32 individual polygon privacy masks including mosaic and chameleon privacy masks	
Signal-to-noise ratio	>55 dB	
Audio		
Audio input	Input through portcast technology	
Audio output	Output through portcast technology	
Network		
Security	Multi-level user, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a , network access control, user access log, centralized certificate management, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)	
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, 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, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, NTCIP, 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 [®] and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection	
Video management systems	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms .	
Onscreen controls	IR illumination Quick-zoom Enable/disable all privacy masks Speed dry	
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open	
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 PTZ: PTZ preset, start/stop guard tour Overlay text, day/night mode WDR mode IR illumination MQTT publish	
Analytics		
Applications	Included AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection, AXIS OSDI Zone, Orientation Aid PTZ, advanced gatekeeper, autotracking 2 Supported AXIS Perimeter Defender, AXIS License Plate Verifier Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
AXIS Object Analytics	Object classes: humans, vehicles Scenarios: line crossing, object in area, crossline counting, 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	
AXIS Scene Metadata	Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Object attributes: confidence, position	
Approvals		
EMC	EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, CISPR 35, EAC, EN 50121-4 Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Canada: ICES-3(A)/NMB-3(A) Japan: VCCI Class A Korea: KC KN32 Class A, KC KN35 USA: FCC Part 15 Subpart B Class A Railway: IEC 62236-4	
Safety	IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22, IEC/EN 62471 risk group 2, IEC 60825-1 Class 1, IS 13252	
Environment	IEC/EN 62262 IK10, IEC/EN 60529 IP66, IEC/EN 60529 IP67, NEMA 250, Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, ISO 21207 (Method B), ISO 12944-6:2018 C5 (Medium)	
Network	NIST SP500-267	

Cybersecurity	ETSI EN 303 645, FIPS 140
Cybersecurity	
Edge security	<p>Software: 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</p> <p>Hardware: Secure boot, Axis Edge Vault with secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)</p>
Network security	<p>IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)^a, IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS^a, TLS v1.2/v1.3^a, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall</p>
Documentation	<p><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 axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity</p>
General	
Casing	<p>IP66-, IP67, NEMA 4X- and IK10-rated Color: white NCS S 1002-B Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology</p>
Sustainability	PVC free
Power	<p>Axis High PoE 60 W SFP midspan 1-port: 100–240 V AC, max 1.5 A IEEE802.3bt Type 3 Class 6 Possibility to optimize power consumption of camera: Full power: typical 15 W (no IR), max 51 W Low power: typical 15 W (no IR), max 30 W. With IR: 44 W</p>
Connectors	<p>RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66) Audio: Audio and I/O connectivity via portcast technology</p>

IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 300 m (984 ft) or more depending on the scene
Storage	<p>Support for SD/SDHC/SDXC 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</p>
Operating conditions	<p>Full power: -50 °C to 50 °C (-58 °F to 122 °F) Low power: -5 °C to 50 °C (23 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F) Humidity 10–100% RH (condensing)</p>
Storage conditions	<p>-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)</p>
Dimensions	<p>Height: 261 mm (10.3 in) With weather shield: ø 239 mm (9.4 in) Without weather shield: ø 192 mm (7.6 in)</p>
Weight	4 800 g (10.6 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, 60 W Midspan (including power cable), IP66 rated network connector, repaint template, paint paper
Optional accessories	<p>AXIS T91/T94 Mounting Accessories AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards For more accessories, see axis.com</p>
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

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