

## 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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<b>Models</b>	AXIS Q6315-LE 50 Hz AXIS Q6315-LE 60 Hz	<b>Event conditions</b>	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
<b>Camera</b>		<b>Event actions</b>	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
<b>Image sensor</b>	1/2" progressive scan CMOS	<b>Analytics</b>	<b>AXIS Object Analytics</b> Object classes: humans, vehicles Features: line crossing, object in area, crossline counting <sup>BETA</sup> , time in area <sup>BETA</sup> Up to 10 scenarios Metadata visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Lens</b>	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	<b>Metadata</b>	<b>Object data:</b> Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position <b>Event data:</b> Producer reference, scenarios, trigger conditions
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS OSDI Zone, Orientation Aid PTZ, advanced gatekeeper, autotracking 2 Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Minimum illumination</b>	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	<b>Cybersecurity</b>	<b>Edge security</b> <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 secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)
<b>Shutter speed</b>	1/111000 s to 1/2 s with 50 Hz 1/111000 s to 1/2 s with 60 Hz	<b>Network security</b>	IEEE 802.1X (EAP-TLS) <sup>a</sup> , HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
<b>Pan/Tilt/Zoom</b>	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	<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="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="http://axis.com/cybersecurity">axis.com/cybersecurity</a>
<b>System on chip (SoC)</b>		<b>General</b>	<b>Casing</b> 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
<b>Model</b>	ARTPEC-7	<b>Sustainability</b>	PVC free
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Power</b>	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
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)		
<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>	1920x1080 (HDTV 1080p) to 320x180		
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in all resolutions		
<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>Image settings</b>	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		
<b>Network</b>			
<b>Security</b>	Multi-level user, 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, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)		
<b>Network 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, NTS, RTSP, RTCP, 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)		
<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="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>		
<b>Onscreen controls</b>	IR illumination Quick-zoom Enable/disable all privacy masks Speed dry		

<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX/1000BASE-T RJ45 Push-pull Connector (IP66)
<b>IR illumination</b>	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 300 m (984 ft) or more depending on the scene
<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>
<b>Operating conditions</b>	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) 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>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, IEC 62236-4, 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), VCCI Class A, RCM AS/NZS CISPR 32 Class A, CISPR 35, EAC, EN 50121-4, KC KN32 Class A, KC KN35 <b>Safety</b> 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 <b>Environment</b> 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) <b>Network</b> NIST SP500-267
<b>Dimensions</b>	Height: 261 mm (10.3 in) With weather shield: ø 239 mm (9.4 in) Without weather shield: ø 192 mm (7.6 in)
<b>Weight</b>	4 800 g (10.6 lb)
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, 60 W Midspan (including power cable), IP66 rated network connector, repaint template, paint paper
<b>Optional accessories</b>	AXIS T91/T94 Mounting Accessories AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards 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, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<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), and cryptographic software written by Eric Young (eay@cryptsoft.com).*