

## 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>Variants</b>                          | AXIS Q6315-LE 50 Hz<br>AXIS Q6315-LE 60 Hz                                                                                                                                                                                                                                                                                                                                                                          | <b>Onscreen controls</b>     | IR illumination<br>Quick-zoom<br>Enable/disable all privacy masks<br>Speed dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Camera</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                     | <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<br>Edge storage: recording ongoing, storage disruption<br>I/O: manual trigger, virtual input<br>MQTT subscribe<br>PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready<br>Scheduled and recurring: scheduled event<br>Video: average bitrate degradation, day-night mode, live stream open |
| <b>Image sensor</b>                      | 1/2" progressive scan CMOS                                                                                                                                                                                                                                                                                                                                                                                          | <b>Event actions</b>         | 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>PTZ: PTZ preset, start/stop guard tour<br>Overlay text, day/night mode<br>WDR mode<br>IR illumination<br>MQTT publish                                                                                                                                                                                           |
| <b>Lens</b>                              | Focal length: 6.91 – 214.64 mm, F1.36 – F4.6<br>Horizontal field of view: 60.6° – 2.0°<br>Vertical field of view: 36.5° – 1.1°<br>Laser focus, autofocus, P-iris<br>Zoom speed: <1 sec between any zoom value                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Day and night</b>                     | Automatically removable infrared-cut filter                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Minimum illumination</b>              | Color: 0.06 lux at 30 IRE, F1.36<br>B/W: 0.001 lux at 30 IRE, F1.36, 0 lux with IR illumination on<br>Color: 0.09 lux at 50 IRE, F1.36<br>B/W: 0.008 lux at 50 IRE, F1.36, 0 lux with IR illumination on                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Shutter speed</b>                     | 1/111000 s to 1/2 s with 50 Hz<br>1/111000 s to 1/2 s with 60 Hz                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pan/Tilt/Zoom</b>                     | Pan: 360° endless, 0.05° – 550°/s<br>Tilt: +20 to -90°, 0.05° – 500°/s<br>Zoom: 31x optical, 12x digital, Total 372x zoom<br>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>System on chip (SoC)</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Analytics</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Model</b>                             | ARTPEC-7                                                                                                                                                                                                                                                                                                                                                                                                            | <b>AXIS Object Analytics</b> | Object classes: humans, vehicles<br>Scenarios: line crossing, object in area, crossline counting, time in area<br>Up to 10 scenarios<br>Metadata visualized with trajectories, color-coded bounding boxes and tables<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event                                                                                                                                                                                                                                                                |
| <b>Memory</b>                            | 1024 MB RAM, 512 MB Flash                                                                                                                                                                                                                                                                                                                                                                                           | <b>Metadata</b>              | <b>Object data:</b> Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates<br>Confidence, position<br><b>Event data:</b> Producer reference, scenarios, trigger conditions                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Compute capabilities</b>              | Machine learning processing unit (MLPU)                                                                                                                                                                                                                                                                                                                                                                             | <b>Applications</b>          | <b>Included</b><br>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<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>                                                                                                                                                                                                           |
| <b>Video</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Approvals</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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>EMC</b>                   | 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<br><b>Australia/New Zealand:</b> RCM AS/NZS CISPR 32 Class A<br><b>Canada:</b> ICES-3(A)/NMB-3(A)<br><b>Japan:</b> VCCI Class A<br><b>Korea:</b> KC KN32 Class A, KC KN35<br><b>USA:</b> FCC Part 15 Subpart B Class A<br><b>Railway:</b> IEC 62236-4                                                                                                                                                                                                           |
| <b>Resolution</b>                        | 1920x1080 (HDTV 1080p) to 320x180                                                                                                                                                                                                                                                                                                                                                                                   | <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>Frame rate</b>                        | Up to 50/60 fps (50/60 Hz) in all resolutions                                                                                                                                                                                                                                                                                                                                                                       | <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>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>Low latency mode<br>Video streaming indicator                                                                                                                                                                    | <b>Network</b>               | NIST SP500-267                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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<br>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>Cybersecurity</b>         | ETSI EN 303 645                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Audio</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Cybersecurity</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Audio input</b>                       | Input through portcast technology                                                                                                                                                                                                                                                                                                                                                                                   | <b>Edge security</b>         | <b>Software:</b> 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                                                                                                                                                                                                                                                                                                                            |
| <b>Audio output</b>                      | Output through portcast technology                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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="https://axis.com">axis.com</a><br>One-Click Cloud Connection<br>ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>                                                           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| <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) |                                                                                                                                                                                                                                                                                                                                                                                                                                         | Support for recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a> |                                                                                                                                                                                                                                                                                                                    |
| <b>Network security</b>                                                                                                                                              | IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> ,<br>IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall                                                                                                                                                                                                                | <b>Operating conditions</b>                                                                                                                | Full power: -50 °C to 50 °C (-58 °F to 122 °F)<br>Low power: -5 °C to 50 °C (23 °F to 122 °F)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)<br>Arctic Temperature Control: Start-up as low as -40 °C (-40 °F)<br>Start-up temperature: -40 °C (-40 °F)<br>Humidity 10–100% RH (condensing) |
| <b>Documentation</b>                                                                                                                                                 | <i>AXIS OS Hardening Guide</i><br><i>Axis Vulnerability Management Policy</i><br><i>Axis Security Development Model</i><br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a><br>To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a> | <b>Storage conditions</b>                                                                                                                  | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)                                                                                                                                                                                                                                           |
| <b>General</b>                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Dimensions</b>                                                                                                                          | Height: 261 mm (10.3 in)<br>With weather shield: ø 239 mm (9.4 in)<br>Without weather shield: ø 192 mm (7.6 in)                                                                                                                                                                                                    |
| <b>Casing</b>                                                                                                                                                        | IP66-, IP67, NEMA 4X- and IK10-rated<br>Color: white NCS S 1002-B<br>Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology                                                                                                                                                                                                                                                           | <b>Weight</b>                                                                                                                              | 4 800 g (10.6 lb)                                                                                                                                                                                                                                                                                                  |
| <b>Sustainability</b>                                                                                                                                                | PVC free                                                                                                                                                                                                                                                                                                                                                                                                                                | <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>Power</b>                                                                                                                                                         | Axis High PoE 60 W SFP midspan 1-port:<br>100–240 V AC, max 1.5 A<br>IEEE802.3bt Type 3 Class 6<br>Possibility to optimize power consumption of camera:<br>Full power: typical 15 W (no IR), max 51 W<br>Low power: typical 15 W (no IR), max 30 W. With IR: 44 W                                                                                                                                                                       | <b>Optional accessories</b>                                                                                                                | AXIS T91/T94 Mounting Accessories<br>AXIS T8415 Wireless Installation Tool<br>AXIS Surveillance Cards<br>For more accessories, see <a href="https://axis.com">axis.com</a>                                                                                                                                         |
| <b>Connectors</b>                                                                                                                                                    | RJ45 10BASE-T/100BASE-TX/1000BASE-T<br>RJ45 Push-pull Connector (IP66)<br>Audio: Audio and I/O connectivity via portcast technology                                                                                                                                                                                                                                                                                                     | <b>Video management software</b>                                                                                                           | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>                                                                                                                                             |
| <b>IR illumination</b>                                                                                                                                               | OptimizedIR with power-efficient, long-life 850 nm IR LEDs<br>Range of reach 300 m (984 ft) or more depending on the scene                                                                                                                                                                                                                                                                                                              | <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>Storage</b>                                                                                                                                                       | Support for SD/SDHC/SDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)                                                                                                                                                                                                                                                                                                                                                | <b>Warranty</b>                                                                                                                            | 5-year warranty, see <a href="https://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](https://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).