# AXIS Q1615-E Network Camera

## Outdoor-ready for forensic details and high speed

AXIS Q1615-E supports both Wide Dynamic Range - Forensic Capture and Lightfinder, optimizing the video for details and forensic usability, as well as making it extremely sensitive to low light. Leveling assistance guides the camera to the correct level, and auto rotation flips the image to the right orientation. Remote back focus enables fine-tuning of the focus from a computer, and the pixel counter helps verifying the pixel resolution of an object or face. The IP66-and NEMA 4X-rated AXIS Q1615-E offers a robust aluminum casing with an included sunshield and wall bracket. Arctic Temperature Control ensures safe start-up in extreme cold.

> **Arctic Temperature Control, -40 °C to 60 °C (-40 °F to 140 °F)**

> **HDTV 1080p at 50/60 fps**

> **Wide Dynamic Range - Forensic Capture and Lightfinder**

> **Electronic Image Stabilization**

> **Shock detection**

# AXIS Q1615-E Network Camera

## Camera

| | |
|---|---|
| **Image sensor** | AXIS Q1615/–E: Progressive scan RGB CMOS 1/2.8" |
| **Lens** | Varifocal, IR corrected, CS-mount, Megapixel resolution<br>P-Iris<br>2.8–8 mm, F1.3<br>Horizontal angle of view: 90°–40° |
| **Day and night** | Automatically removable infrared-cut filter |
| **Minimum illumination** | Color: 0.18 lux, B/W: 0.04 lux, F1.3;<br>**HDTV 1080p 50/60 fps:**<br>Color: 0.36 lux, B/W: 0.08 lux, F1.3; |
| **Shutter time** | 1/143000 to 2 s |
| **Pan/Tilt/Zoom** | Digital PTZ, Uploadable PTZ driver (Pelco D pre-installed) |

## Video

| | |
|---|---|
| **Video compression** | H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile, Motion JPEG |
| **Resolutions** | **WUXGA 25/30 fps (no WDR):** 1920x1200 to 160x90<br>**HDTV 1080p 25/30 fps (WDR):** 1920x1080 to 160x90<br>**HDTV 1080p 50/60 fps (no WDR):** 1920x1080 to 160x90 |
| **Frame rate** | 50/60 fps (no WDR) |
| **Video streaming** | Multiple, individually configurable streams in H.264/Motion JPEG, Controllable frame rate and bandwidth<br>VBR H.264, MBR H.264 |
| **Image settings** | Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zone, Backlight compensation, Fine tuning of behavior at low light, Text and image overlay, Privacy mask, Mirroring of images<br>Rotation: Auto, 0°, 90°, 180°, 270° including Corridor Format<br>WDR-Forensic Capture: Up to 120 dB depending on scene, Auto-rotation, Barrel distortion correction, Day/Night shift level, Electronic Image Stabilization, Local contrast, Defogging |

## Audio

| | |
|---|---|
| **Audio streaming** | Two-way |
| **Audio compression** | AAC-LC 8/16/32 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz<br>Configurable bit rate |
| **Audio input/output** | External microphone, input or line input, line output<br>External balanced/unbalanced microphone or line input, line output |

## Network

| | |
|---|---|
| **Security** | Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management |
| **Supported protocols** | IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH |

## System integration

| | |
|---|---|
| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *www.axis.com*<br>AXIS Video Hosting System (AVHS) with One-Click Connection<br>ONVIF Profile S, specification at *www.onvif.org* |
| **Analytics** | Video motion detection, Active tampering alarm, Audio detection<br>Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see *www.axis.com/acap* |
| **Event triggers** | Analytics, Edge storage events, External input<br>Shock detection |
| **Event actions** | File upload: FTP, SFTP, HTTP, HTTPS, network share and email, Send video clip<br>Notification: email, HTTP, HTTPS and TCP<br>Overlay text, Send SNMP Trap<br>Video and audio recording to edge storage<br>Pre- and post-alarm video buffering<br>External output activation, Day/night vision mode, Play audio clip, Status LED, WDR mode |
| **Data streaming** | Event data |
| **Built-in installation aids** | Focus assistant, Pixel counter, Remote back focus<br>Leveling assistant, Auto rotation<br>Camera orientation aid |

## General

| | |
|---|---|
| **Casing** | Camera: Metal (zinc)<br>Color: White NCS S 1002-B<br>IP66- and NEMA 4X-rated, IK10 impact resistant aluminum enclosure |
| **Memory** | 512 MB RAM, 256 MB Flash |
| **Power** | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max. 12.95 W or High PoE: max. 25.5 W |
| **Connectors** | RJ45 10BASE-T/100BASE-TX PoE, 3.5 mm mic/line in, 3.5 mm line out<br>RS485/RS422, Terminal block for two configurable inputs/outputs (12 V DC output, max. load 50 mA) |
| **Edge storage** | Support for microSD/microSDHC/microSDXC card<br>Support for recording to dedicated network-attached storage (NAS)<br>For SD card and NAS recommendations see *www.axis.com* |
| **Operating conditions** | –30 °C to 60 °C (–22 °F to 140 °F) with PoE<br>down to -40 °C (-40 °F) with Axis High PoE Midspan, max. 30 W<br>Humidity 10-100% RH (condensing) |
| **Approvals** | EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, IEC/EN/UL 60950-1<br>EN 50121-4, IEC 62236-4, IEC/EN/UL 60950-22, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 62262 IK10 |
| **Dimensions** | 161 x 142 x 404 mm (6 5/16 x 5 9/16 x 15 15/16 in) |
| **Weight** | AXIS Q1615–E: 3514 g (7.7 lb) |
| **Included accessories** | Stand, Connector kit, Resistorx T20 tool, Installation Guide, Windows decoder 1-user license<br>AXIS T94Q01A Wall Mount, Sunshield |
| **Optional accessories** | AXIS T91A47 Pole Mount, AXIS T94R01P Conduit Back Box, VT Corner Mount WCWA, VT Column Mount Ball Joint WFWCA, AXIS T98A16-VE Surveillance Cabinet, Axis Optional Lenses, AXIS T90B Illuminators, Axis network cable couplers, AXIS T8120 Midspan 15 W 1-port, AXIS T8133 Midspan 30 W 1-port, AXIS T8129 PoE Extender, AXIS Surveillance microSDXC™ Card 64 GB |
| **Video management software** | AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/techsup/software* |
| **Languages** | German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese |
| **Warranty** | Axis 3-year warranty and AXIS Extended Warranty option, see *www.axis.com/warranty* |

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

More information is available at www.axis.com

**AXIS**®
**C O M M U N I C A T I O N S**