

AXIS Q1659 Network Camera

Professional photography meets video surveillance

AXIS Q1659 offers ultra-high image resolution for surveillance in superb detail at 8 frames per second, achieving unprecedented levels of detail for observing open spaces and across long distances. It features digital single-lens reflex (DSLR) imaging technology and offers a choice of Canon EF/EF-S lenses, depending on individual user needs. Equipped with an EF lens mount, the camera enables easy lens changes. AXIS Q1659 is compatible with a large number of video management systems, and it supports Zipstream that significantly reduces bandwidth and storage requirements.

- > [20 MP resolution](#)
- > [Canon EF mount and EF/EF-S lenses](#)
- > [Axis Zipstream technology](#)
- > [PoE and SFP slot for optional fiber connection](#)
- > [Optional accessory housing](#)



AXIS Q1659 Network Camera

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| Models | AXIS Q1659 24 mm, f/2.8 AXIS Q1659 35 mm, f/2^a AXIS Q1659 50 mm, f/1.4^a AXIS Q1659 85 mm, f/1.2L^a AXIS Q1659 100 mm, f/2.8L AXIS Q1659 10–22 mm, f/3.5–4.5 AXIS Q1659 70–200 mm, f/2.8L AXIS Q1659 55–250 mm f/4–5.6 |
| Camera | |
| Image sensor | 22.4 x 15.0 mm APS-C CMOS-sensor |
| Lens | EF/EF-S mount 24 mm, f/2.8 Horizontal field of view: 20MP 50.1°, 11MP/4K 36.3° 35 mm, f/2 Horizontal field of view: 20MP 35.5°, 11MP/4K 25.4° 50 mm, f/1.4 Horizontal field of view: 20MP 25.3°, 11MP/4K 17.9° 85 mm, f/1.2L Horizontal field of view: 20MP 15.0°, 11MP/4K 10.6° 100 mm, f/2.8L Horizontal field of view: 20MP 12.8°, 11MP/4K 9.0° 10–22 mm, f/3.5–4.5 Horizontal field of view: 20MP 96.6°–54.0°, 11MP/4K 68.1 to 37.9° 70–200 mm, f/2.8L Horizontal field of view: 20MP 18.2°–6.4°, 11MP/4K 12.8°–4.5° 55–250 mm f/4–5.6 Horizontal field of view: 20MP 23.2°–5.2°, 11MP/4K 16.5°–3.7° |
| Day and night | Automatically removable infrared-cut filter |
| Minimum illumination | Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2 |
| Shutter time | 1/8000 to 1 s |
| Pan/Tilt/Zoom | Digital PTZ, uploadable PTZ driver (Pelco D pre-installed) |
| Video | |
| Video compression | H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG |
| Resolution | 5472x3648 to 320x240 |
| Frame rate | 5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4K): 25 fps |
| Video streaming | Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth Axis Zipstream technology in H.264 VBR/CBR H.264 |
| Multi-view streaming | Up to 4 individually cropped out view areas |
| Image settings | Compression, color, brightness, sharpness, white balance, exposure control, WDR – dynamic contrast, fine tuning of behavior at low light, text overlay, privacy mask, rotation: 0°, 180°, day and night shift level |
| Audio | |
| Audio streaming | Two-way |
| Audio compression | AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS |
| Audio input/output | External microphone or line input, line output |
| Network | |
| Security | Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized Certificate Management |
| Supported protocols | IPv4/v6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , 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 |

AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S and G, specification at www.onvif.org

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| Analytics | Included AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap |
| Event triggers | Analytics, edge storage events, external input |
| Event actions | File upload: FTP, SFTP, HTTP, HTTPS, network share and email, send video clip Notification: email, HTTP, HTTPS and TCP Overlay text, send SNMP trap, video and audio recording to edge storage, pre- and post-alarm video buffering, external output activation, day/night vision mode, play audio clip, status LED |
| Data streaming | Event data |
| Built-in installation aids | Pixel counter, remote focus |
| General | |
| Casing | Camera: Aluminum Color: Black NCS S 9000–N |
| Memory | 1 GB RAM, 256 MB Flash |
| Power | 20–28 V DC, max 18.6 W Power over Ethernet IEEE 802.3af/802.3at Type 2 Class 4 Typical 13.1 W, max 25.5 W |
| Connectors | RJ45 100BASE-TX/1000BASE-T PoE 3.5 mm mic/line in, 3.5 mm line out DC input Terminal block for 2 configurable inputs/outputs (12 V DC output, max load 50 mA) RS485/RS422 SFP slot (100/1000 Mbps) for SFP fiber module |
| Storage | Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com |
| Operating conditions | 0 °C to 45 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing) |
| Storage conditions | –40 °C to 65 °C (–40 °F to 149 °F) |
| Approvals | EMC EN 55032 Class A, EN 50121–4, EN 55024, EN 61000–6–1, EN 61000–6–2, IEC 62236–4, FCC Part 15 Subpart B Class A, ICES–003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 Safety IEC/EN/UL 60950–1 |
| Dimensions | Camera body: 176 x 102 x 75 mm (7 x 4 x 3 in) |
| Weight | Camera body: 840 g (1.85 lb) |
| Included accessories | EF mount cover, connector kit, Installation Guide, Windows decoder 1-user license |
| Optional accessories | Outdoor housing, Axis PoE+ Midspans For more accessories, see www.axis.com |
| Video management software | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/support/downloads |
| Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty |

- a. Supports Axis Lightfinder technology.
 b. 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 (ey@cryptsoft.com).

Environmental responsibility:

www.axis.com/environmental-responsibility