

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

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°, 4K 36.3° 35 mm, f/2 Horizontal field of view: 20MP 35.5°, 4K 25.4° 50 mm, f/1.4 Horizontal field of view: 20MP 25.3°, 4K 17.9° 85 mm, f/1.2L Horizontal field of view: 20MP 15.0°, 4K 10.6° 100 mm, f/2.8L Horizontal field of view: 20MP 12.8°, 4K 9.0° 10–22 mm, f/3.5–4.5 Horizontal field of view: 20MP 96.6°–54.0°, 4K 76.4°–39.4° 70–200 mm, f/2.8L Horizontal field of view: 20MP 18.2°–6.4°, 4K 12.8°–4.5° 55–250 mm f/4–5.6 Horizontal field of view: 20MP 23.2°–5.2°, 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 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, 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™, 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

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