

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](#)



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Models	<p>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</p>	Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Camera		Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
Image sensor	22.4 x 15.0 mm APS-C CMOS-sensor	System integration	
Lens	<p>EF/EF-S mount 24 mm, f/2.8 Horizontal field of view: 20 MP 50°, 11 MP/4K 36° Vertical field of view: 20 MP 35°, 11 MP 28°, 4K 21° 35 mm, f/2 Horizontal field of view: 20 MP 36°, 11 MP/4K 25° Vertical field of view: 20 MP 24°, 11 MP 19°, 4K 14° 50 mm, f/1.4 Horizontal field of view: 20 MP 25°, 11 MP/4K 18° Vertical field of view: 20 MP 17°, 11 MP 14°, 4K 10° 85 mm, f/1.2L Horizontal field of view: 20 MP 15°, 11 MP/4K 11° Vertical field of view: 20 MP 10°, 11 MP 8°, 4K 6° 100 mm, f/2.8L Horizontal field of view: 20 MP 13°, 11 MP/4K 9° Vertical field of view: 20 MP 9°, 11 MP 7°, 4K 5° 10–22 mm, f/3.5–4.5 Horizontal field of view: 20 MP 97°– 54°, 11 MP/4K 76° – 39° Vertical field of view: 20 MP 74°– 38°, 11 MP 61°– 30°, 4K 48°– 29° 70–200 mm, f/2.8L Horizontal field of view: 20 MP 18°– 6°, 11 MP/4K 13°– 5° Vertical field of view: 20 MP 12°– 4°, 11 MP 10°– 3°, 4K 7°– 3° 55–250 mm f/4–5.6 Horizontal field of view: 20 MP 23°–5°, 11 MP/4K 16°–4° Vertical field of view: 20 MP 16°– 3°, 11 MP 12°– 3°, 4K 9°– 2°</p>	Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org
Day and night	Automatically removable infrared-cut filter	Event triggers	Analytics, edge storage events, external input MQTT subscribe
Minimum illumination	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2	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 MQTT publish
Shutter speed	1/8000 to 1 s	Data streaming	Event data
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)	Built-in installation aids	Pixel counter, remote focus
System on chip (SoC)		Analytics	
Model	ARTPEC-6	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Memory	1 GB RAM, 256 MB Flash	General	
Video		Casing	Camera: Aluminum Color: Black NCS S 9000–N
Video compression	H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG	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
Resolution	5472x3648 to 320x240	Connectors	Shielded 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
Frame rate	5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4 K): 25 fps	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256 bit) Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth Axis Zipstream technology in H.264 VBR/ABR/CBR H.264	Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–85% RH (non-condensing)
Multi-view streaming	Up to 4 individually cropped out view areas	Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
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	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, IS 13252 Network NIST SP500–267
Audio		Dimensions	Camera body: 176 x 102 x 75 mm (7 x 4 x 3 in)
Audio streaming	Two-way	Weight	Camera body: 840 g (1.85 lb)
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS	Included accessories	EF mount cover, connector kit, Installation Guide, Windows decoder 1–user license
Audio input/output	External microphone or line input, line output, automatic gain control		
Network			

Optional accessories	Outdoor housing, Axis PoE+ Midspans For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available at axis.com/support/downloads
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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://openssl.org/>), and cryptographic software written by Eric Young (eyay@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility