

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	<p>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</p>
Camera		Supported protocols	<p>IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS^b, SSL/TLS^b, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog</p>
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 50.1°, 11 MP/4K 36.3° Vertical field of view: 20 MP 34.7°, 11 MP 27.7°, 4 K 21.0° 35 mm, f/2 Horizontal field of view: 20 MP 35.5°, 11 MP/4K 25.4°, 4 K 21.0° Vertical field of view: 20 MP 24.2°, 11 MP 19.2°, 4 K 14.5° 50 mm, f/1.4 Horizontal field of view: 20 MP 25.3°, 11 MP/4K 17.9° Vertical field of view: 20 MP 17.1°, 11 MP 13.5°, 4K 10.1° 85 mm, f/1.2L Horizontal field of view: 20 MP 15.0°, 11 MP/4K 10.6° Vertical field of view: 20 MP 10.1°, 11 MP 8.0°, 4K 6.0° 100 mm, f/2.8L Horizontal field of view: 20 MP 12.8°, 11 MP/4K 9.0° Vertical field of view: 20 MP 8.6°, 11 MP 6.8°, 4K 5.1° 10–22 mm, f/3.5–4.5 Horizontal field of view: 20 MP 96.6°– 54.0°, 11 MP/4K 68.1 to 37.9° Vertical field of view: 20 MP 73.7°– 37.7°, 11 MP 61.3°– 30.1°, 4K 47.9°– 22.8° 70–200 mm, f/2.8L Horizontal field of view: 20 MP 18.2°– 6.4°, 11 MP/4K 12.8°– 4.5° Vertical field of view: 20 MP 12.2°– 4.3°, 11 MP 9.7°– 3.4°, 4K 7.3°– 2.5° 55–250 mm f/4–5.6 Horizontal field of view: 20 MP 23.2°–5.2°, 11 MP/4K 16.5°–3.7° Vertical field of view: 20 MP 15.5°– 3.4°, 11 MP 12.3°– 2.7°, 4 K 9.2°– 2.0°</p>	Application Programming Interface	<p>Open API for software integration, including VAPIX[®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF[®] Profile G and ONVIF[®] Profile S, specification at onvif.org</p>
Day and night	Automatically removable infrared-cut filter	Event triggers	Analytics, edge storage events, external input
Minimum illumination	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2	Event actions	<p>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</p>
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
Video		Analytics	
Video compression	H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG	Applications	<p>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</p>
Resolution	5472x3648 to 320x240	General	
Frame rate	5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4 K): 25 fps	Casing	Camera: Aluminum Color: Black NCS S 9000–N
Video streaming	<p>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</p>	Memory	1 GB RAM, 256 MB Flash
Multi-view streaming	Up to 4 individually cropped out view areas	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
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	Connectors	<p>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</p>
Audio		Storage	<p>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</p>
Audio streaming	Two-way	Operating conditions	0 °C to 45 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS	Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
Audio input/output	External microphone or line input, line output, automatic gain control	Approvals	<p>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 Network NIST SP500–267</p>
Network		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 axis.com

Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available at axis.com/support/downloads	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 (ey@cryptsoft.com).
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
Warranty	5-year warranty, see axis.com/warranty	Environmental responsibility: axis.com/environmental-responsibility