

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	<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>
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Camera	
Image sensor	22.4 x 15.0 mm APS-C CMOS-sensor
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>

Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2
Shutter speed	1/8000 to 1 s
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)

System on chip (SoC)	
Model	ARTPEC-6
Memory	1 GB RAM, 256 MB Flash

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 (4 K): 25 fps

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>
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Multi-view streaming	Up to 4 individually cropped out view areas
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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
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Audio	
Audio streaming	Two-way

Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS
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Audio input/output	External microphone or line input, line output, automatic gain control
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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, brute force delay protection, signed firmware
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Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTP/2, 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, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog
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System integration

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
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Event triggers	Analytics, edge storage events, external input
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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
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Data streaming	Event data
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Built-in installation aids	Pixel counter, remote focus
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Analytics

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>
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General

Casing	Camera: Aluminum Color: Black NCS S 9000–N
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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
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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>
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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>
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Operating conditions	0 °C to 45 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
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Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
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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, IS 13252 Network NIST SP500–267</p>
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Dimensions	Camera body: 176 x 102 x 75 mm (7 x 4 x 3 in)
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Weight	Camera body: 840 g (1.85 lb)
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Included accessories	EF mount cover, connector kit, Installation Guide, Windows decoder 1–user license
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Optional accessories	Outdoor housing, Axis PoE+ Midspans For more accessories, see axis.com
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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