

# 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

<b>Models</b>	<b>AXIS Q1659 24 mm, f/2.8</b> <b>AXIS Q1659 35 mm, f/2<sup>a</sup></b> <b>AXIS Q1659 50 mm, f/1.4<sup>a</sup></b> <b>AXIS Q1659 85 mm, f/1.2L<sup>a</sup></b> <b>AXIS Q1659 100 mm, f/2.8L</b> <b>AXIS Q1659 10–22 mm, f/3.5–4.5</b> <b>AXIS Q1659 70–200 mm, f/2.8L</b> <b>AXIS Q1659 55–250 mm f/4–5.6</b>
<b>Camera</b>	
<b>Image sensor</b>	22.4 x 15.0 mm APS-C CMOS-sensor
<b>Lens</b>	EF/EF-S mount <b>24 mm, f/2.8</b> Horizontal field of view: 20MP 50.1°, 11MP/4K 36.3° <b>35 mm, f/2</b> Horizontal field of view: 20MP 35.5°, 11MP/4K 25.4° <b>50 mm, f/1.4</b> Horizontal field of view: 20MP 25.3°, 11MP/4K 17.9° <b>85 mm, f/1.2L</b> Horizontal field of view: 20MP 15.0°, 11MP/4K 10.6° <b>100 mm, f/2.8L</b> Horizontal field of view: 20MP 12.8°, 11MP/4K 9.0° <b>10–22 mm, f/3.5–4.5</b> Horizontal field of view: 20MP 96.6°–54.0°, 11MP/4K 68.1 to 37.9° <b>70–200 mm, f/2.8L</b> Horizontal field of view: 20MP 18.2°–6.4°, 11MP/4K 12.8°–4.5° <b>55–250 mm f/4–5.6</b> Horizontal field of view: 20MP 23.2°–5.2°, 11MP/4K 16.5°–3.7°
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2
<b>Shutter time</b>	1/8000 to 1 s
<b>Pan/Tilt/Zoom</b>	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)
<b>Video</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG
<b>Resolution</b>	5472x3648 to 320x240
<b>Frame rate</b>	5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4K): 25 fps
<b>Video streaming</b>	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
<b>Multi-view streaming</b>	Up to 4 individually cropped out view areas
<b>Image settings</b>	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
<b>Audio</b>	
<b>Audio streaming</b>	Two-way
<b>Audio compression</b>	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS
<b>Audio input/output</b>	External microphone or line input, line output
<b>Network</b>	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, Digest authentication, User access log, Centralized Certificate Management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , 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
<b>System integration</b>	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a>

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

<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Analytics, edge storage events, external input
<b>Event actions</b>	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
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter, remote focus
<b>General</b>	
<b>Casing</b>	Camera: Aluminum Color: Black NCS S 9000–N
<b>Memory</b>	1 GB RAM, 256 MB Flash
<b>Power</b>	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
<b>Connectors</b>	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
<b>Storage</b>	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 <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F)
<b>Approvals</b>	<b>EMC</b> 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 <b>Safety</b> IEC/EN/UL 60950–1
<b>Dimensions</b>	Camera body: 176 x 102 x 75 mm (7 x 4 x 3 in)
<b>Weight</b>	Camera body: 840 g (1.85 lb)
<b>Included accessories</b>	EF mount cover, connector kit, Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	Outdoor housing, Axis PoE+ Midspans For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/support/downloads">www.axis.com/support/downloads</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

- 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](mailto:ey@cryptsoft.com)).

Environmental responsibility:

[www.axis.com/environmental-responsibility](http://www.axis.com/environmental-responsibility)