

# 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>	<p>AXIS Q1659 24 mm, f/2.8          AXIS Q1659 35 mm, f/2<sup>a</sup>          AXIS Q1659 50 mm, f/1.4<sup>a</sup>          AXIS Q1659 85 mm, f/1.2L<sup>a</sup>          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>	access log, Centralized Certificate Management, Brute force delay protection
<b>Camera</b>		
<b>Image sensor</b>	22.4 x 15.0 mm APS-C CMOS-sensor	<b>Supported protocols</b>
<b>Lens</b>	<p>EF/EF-S mount  <b>24 mm, f/2.8</b>          Horizontal field of view: 20MP 50.1°, 11MP/4K 36.3°          Vertical field of view: 20MP 34.7°, 11MP 27.7°, 4K 21.0°  <b>35 mm, f/2</b>          Horizontal field of view: 20MP 35.5°, 11MP/4K 25.4°, 4K 21.0°          Vertical field of view: 20MP 24.2°, 11MP 19.2°, 4K 14.5°  <b>50 mm, f/1.4</b>          Horizontal field of view: 20MP 25.3°, 11MP/4K 17.9°          Vertical field of view: 20MP 17.1°, 11MP 13.5°, 4K 10.1°  <b>85 mm, f/1.2L</b>          Horizontal field of view: 20MP 15.0°, 11MP/4K 10.6°          Vertical field of view: 20MP 10.1°, 11MP 8.0°, 4K 6.0°  <b>100 mm, f/2.8L</b>          Horizontal field of view: 20MP 12.8°, 11MP/4K 9.0°          Vertical field of view: 20MP 8.6°, 11MP 6.8°, 4K 5.1°  <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°          Vertical field of view: 20MP 73.7°– 37.7°, 11MP 61.3°– 30.1°, 4K 47.9°– 22.8°  <b>70–200 mm, f/2.8L</b>          Horizontal field of view: 20MP 18.2°– 6.4°, 11MP/4K 12.8°– 4.5°          Vertical field of view: 20MP 12.2°– 4.3°, 11MP 9.7°– 3.4°, 4K 7.3°– 2.5°  <b>55–250 mm f/4–5.6</b>          Horizontal field of view: 20MP 23.2°–5.2°, 11MP/4K 16.5°–3.7°          Vertical field of view: 20MP 15.5°– 3.4°, 11MP 12.3°– 2.7°, 4K 9.2°– 2.0°</p>	<p>IPv4, IPv6 USGv6, HTTP, HTTPS<sup>b</sup>, SSL/TLS<sup>b</sup>, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP<sup>TM</sup>, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, CDP</p>
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>System integration</b>
<b>Minimum illumination</b>	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2	<b>Application Programming Interface</b>
<b>Shutter time</b>	1/8000 to 1 s	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S and G, specification at <a href="http://onvif.org">onvif.org</a>
<b>Pan/Tilt/Zoom</b>	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)	<b>Analytics</b>
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG	Included AXIS Video Motion Detection, AXIS Fence Guard, AXIS Motion Guard, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Resolution</b>	5472x3648 to 320x240	<b>Event triggers</b>
<b>Frame rate</b>	5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4K): 25 fps	Analytics, edge storage events, external input
<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>Event actions</b>
<b>Multi-view streaming</b>	Up to 4 individually cropped out view areas	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>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>Data streaming</b>
<b>Audio</b>		
<b>Audio streaming</b>	Two-way	Event data
<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>Built-in installation aids</b>
<b>Audio input/output</b>	External microphone or line input, line output	Pixel counter, remote focus
<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	<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>
		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
		<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://axis.com">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>
		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 60950–1Network NIST SP500–267
		<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://axis.com">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://axis.com/support/downloads">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://axis.com/warranty">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://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)