

# 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>	<b>Network</b>	
<b>Camera</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, brute force delay protection, signed firmware
<b>Image sensor</b>	22.4 x 15.0 mm APS-C CMOS-sensor	<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
<b>Lens</b>	<p>EF/EF-S mount  <b>24 mm, f/2.8</b>          Horizontal field of view: 20 MP 50°, 11 MP/4K 36°          Vertical field of view: 20 MP 35°, 11 MP 28°, 4K 21°  <b>35 mm, f/2</b>          Horizontal field of view: 20 MP 36°, 11 MP/4K 25°          Vertical field of view: 20 MP 24°, 11 MP 19°, 4K 14°  <b>50 mm, f/1.4</b>          Horizontal field of view: 20 MP 25°, 11 MP/4K 18°          Vertical field of view: 20 MP 17°, 11 MP 14°, 4K 10°  <b>85 mm, f/1.2L</b>          Horizontal field of view: 20 MP 15°, 11 MP/4K 11°          Vertical field of view: 20 MP 10°, 11 MP 8°, 4K 6°  <b>100 mm, f/2.8L</b>          Horizontal field of view: 20 MP 13°, 11 MP/4K 9°          Vertical field of view: 20 MP 9°, 11 MP 7°, 4K 5°  <b>10–22 mm, f/3.5–4.5</b>          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°  <b>70–200 mm, f/2.8L</b>          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°  <b>55–250 mm f/4–5.6</b>          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>	<b>System integration</b>	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>
<b>Minimum illumination</b>	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2	<b>Event triggers</b>	Analytics, edge storage events, external input MQTT subscribe
<b>Shutter speed</b>	1/8000 to 1 s	<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 MQTT publish
<b>Pan/Tilt/Zoom</b>	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)	<b>Data streaming</b>	Event data
<b>System on chip (SoC)</b>		<b>Built-in installation aids</b>	Pixel counter, remote focus
<b>Model</b>	ARTPEC-6	<b>Analytics</b>	
<b>Memory</b>	1 GB RAM, 256 MB Flash	<b>Applications</b>	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 <a href="http://axis.com/acap">axis.com/acap</a>
<b>Video</b>		<b>Approvals</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), High, Main and Baseline Profile Motion JPEG	<b>EMC</b>	EN 55035, EN 55032 Class A, EN 50121-4, EN 61000-6-1, EN 61000-6-2 <b>Australia/New Zealand:</b> RCM AS/NZS CISPR 32 Class A <b>Canada:</b> ICES-3(A)/NMB-3(A) <b>Japan:</b> VCCI Class A <b>Korea:</b> KC KN32 Class A, KC KN35 <b>USA:</b> FCC Part 15 Subpart B Class A <b>Railway:</b> IEC 62236-4
<b>Resolution</b>	5472x3648 to 320x240	<b>Safety</b>	IEC/EN/UL 60950-1, IS 13252
<b>Frame rate</b>	5472x3648 (20 MP): 8 fps 3840x2880 (11 MP): 15 fps Ultra HD 2160p (4 K): 25 fps	<b>Network</b>	NIST SP500-267
<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/ABR/CBR H.264	<b>Cybersecurity</b>	ETSI EN 303 645
<b>Multi-view streaming</b>	Up to 4 individually cropped out view areas	<b>General</b>	
<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>Casing</b>	Camera: Aluminum Color: Black NCS S 9000–N
<b>Audio</b>		<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>Audio streaming</b>	Two-way	<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>Audio encoding</b>	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS	<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>
<b>Audio input/output</b>	External microphone or line input, line output, automatic gain control	<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–85% RH (non-condensing)

<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<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 at <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, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, 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)).