

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	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	access log, centralized certificate management, brute force delay protection, signed firmware
Supported protocols		
IPv4, IPv6 USGv6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, CDP		
System integration		
Application Programming Interface		
Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org		
Analytics		
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 axis.com/acap		
Event triggers		
Analytics, edge storage events, external input		
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		
Data streaming		
Event data		
Built-in installation aids		
Pixel counter, remote focus		
General		
Casing		
Camera: Aluminum Color: Black NCS S 9000–N		
Memory		
1 GB RAM, 256 MB Flash		
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		
Connectors		
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		
Storage		
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 axis.com		
Operating conditions		
0 °C to 45 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)		
Storage conditions		
–40 °C to 65 °C (–40 °F to 149 °F)		
Approvals		
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		
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		

Camera	
Image sensor	22.4 x 15.0 mm APS-C CMOS-sensor
Lens	EF/EF-S mount 24 mm, f/2.8 Horizontal field of view: 20MP 50.1°, 11MP/4K 36.3° Vertical field of view: 20MP 34.7°, 11MP 27.7°, 4K 21.0° 35 mm, f/2 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° 50 mm, f/1.4 Horizontal field of view: 20MP 25.3°, 11MP/4K 17.9° Vertical field of view: 20MP 17.1°, 11MP 13.5°, 4K 10.1° 85 mm, f/1.2L Horizontal field of view: 20MP 15.0°, 11MP/4K 10.6° Vertical field of view: 20MP 10.1°, 11MP 8.0°, 4K 6.0° 100 mm, f/2.8L Horizontal field of view: 20MP 12.8°, 11MP/4K 9.0° Vertical field of view: 20MP 8.6°, 11MP 6.8°, 4K 5.1° 10–22 mm, f/3.5–4.5 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° 70–200 mm, f/2.8L 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° 55–250 mm f/4–5.6 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°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.04 lux F1.2 B/W: 0.004 lux F1.2
Shutter time	1/8000 to 1 s
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)
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 (4K): 25 fps
Video streaming	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
Multi-view streaming	Up to 4 individually cropped out view areas
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
Audio	
Audio streaming	Two-way
Audio compression	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate, OPUS
Audio input/output	External microphone or line input, line output
Network	
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, digest authentication, user

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

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).

Environmental responsibility:

axis.com/environmental-responsibility