AXIS Q1647

5 MP video with 1/2" sensor and i-CS lens

With AXIS Q1647 Network Camera it's easier than ever to capture everything. High resolution at full frame rate, i-CS lens, and 1/2" sensor ensures outstanding details and sharp images. Even in challenging or low light, Forensic WDR and Lightfinder ensures details will be discovered. To minimize vibrations, electronic image stabilization (EIS) keeps the image steady. AXIS Q1647 enables proactive surveillance with preinstalled AXIS Motion Guard and AXIS Fence Guard. Orientation aid enables street view and compass rose for quick orientation with multiple monitors, and Zipstream optimizes the video stream to maintain high video quality while saving bandwidth and storage.

> **5 MP resolution at 25/30 fps**

> **1/2" sensor**

> **Forensic WDR and Lightfinder**

> **Electronic image stabilization (EIS)**

> **AXIS Motion Guard and AXIS Fence Guard**

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Camera

Image sensor	1/2" progressive scan RGB CMOS
Lens	Varifocal, IR corrected, CS-mount 3.9–10.0 mm, F1.5 **5.3 MP (16:9):** Horizontal field of view: 110°–44° Vertical field of view: 59°–24° **4 MP (16:9):** Horizontal field of view: 95°–38° Vertical field of view: 52°–21° **5 MP (4:3):** Horizontal field of view: 92°–37° Vertical field of view: 68°–27° i-CS lens
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**5 MP 25/30 fps with WDR and Lightfinder:** Color: 0.12 lux at 50 IRE, F1.5; B/W: 0.02 lux at 50 IRE, F1.5, 0 lux with IR illumination on **4 MP 50/60 fps:** Color: 0.24 lux at 50 IRE, F1.5, B/W; 0.04 lux at 50 IRE, F1.5, 0 lux with IR illumination on
Shutter time	1/100000 to 2 s
Pan/Tilt/Zoom	Digital PTZ, uploadable PTZ driver (Pelco D pre-installed)

Video

Video compression	H.264 (MPEG-4 Part 10/AVC), Main, Baseline and High Profile Motion JPEG
Resolution	3072x1728 to 320x180
Frame rate	**5 MP with WDR:** 25/30 fps with power line frequency 50/60 Hz **4 MP without WDR:** 50/60 fps with power line frequency 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR – 120 dB, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including corridor format, mirroring of images, dynamic text overlay, image overlay, privacy masks, defogging, noise reduction, electronic image stabilization, barrel distortion correction, orientation aid, fine tuning of behavior at low light Scene profiles: forensic, vivid, traffic overview

Audio

Audio streaming	Two-way
Audio compression	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External balanced/unbalanced microphone or line input, line output 24 bit AD/DA-conversion

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection.
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, SRTP, 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 Video Hosting System (AVHS) with One-Click Connection ONVIF Profile G, ONVIF Profile S and ONVIF Profile T, specifications at *onvif.org*
Analytics	Included AXIS Video Motion Detection, AXIS Fence Guard, AXIS Motion Guard, AXIS Loitering Guard, active tampering alarm, audio detection Supported AXIS Digital Autotracking, AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event triggers	Analytics, external input, edge storage events Detectors: live stream accessed, video motion detection, audio detection, shock detection Hardware: network, temperature Input Signal: manual trigger, virtual inputs PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule
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, WDR mode, Defog mode, PTZ control
Data streaming	Event data
Built-in installation aids	i-CS: Remote zoom and focus Other lens: Remote back focus Traffic wizard, pixel counter, levelling assistant, autorotation

General

Casing	Metal (zinc) Color lid: Silver - RAL 9006 Color chassi: Black - NCS S 9000-N
Sustainability	PVC free
Memory	1 GB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5.3 W, max 10.8 W 8–28 V DC, typical 6.4 W, max 11.2 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE I/O: 6-pin 2.5 mm terminal block for four configurable inputs/outputs (12 V DC output, max load 50 mA) RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block 3.5 mm mic/line in, 3.5 mm line out i-CS connector (compatible with P-Iris and DC-iris)
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	-20 °C to 60 °C (-4 °F to 140 °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 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, 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 62368-1 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78 Network NIST SP500–267
Dimensions	82 x 66 x 210 mm (3.23 x 2.60 x 8.25 in)
Weight	950 g (2.1 lb)
Included accessories	Stand, connector kit, resistorx® T20 tool, installation guide, Windows decoder 1-user license
Optional accessories	AXIS T90B Illuminators, AXIS T92G Housings, AXIS T93F Housings, Axis network cable couplers, AXIS T8129 PoE Extender, AXIS T8415 Wireless Installation Tool, Axis 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/vms*
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. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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