AXIS Q1614-E Network Camera

Outdoor-ready with outstanding HDTV 720p video in 50/60 fps

The outdoor-ready AXIS Q1614-E supports Wide Dynamic Range - Dynamic Capture, providing homogeneous images without too dark or too bright parts. Remote back focus enables fine-tuning of the focus from a computer, and the pixel counter helps verifying the pixel resolution of an object or face. Leveling assistance guides the camera to the correct level, and auto rotation flips the image to the right orientation. The IP66- and NEMA 4X-rated AXIS Q1614-E offers a robust aluminum casing with an included sunshield and wall bracket. Arctic Temperature Control ensures safe start-up in extreme cold.

> Arctic Temperature Control, -40 °C to 50 °C (-40 °F to 122 °F)
> HDTV 720p at 50/60 fps
> Wide Dynamic Range - Dynamic Capture and Lightfinder
> Auto rotation and leveling assistance
> Shock detection

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Camera

Image sensor	Progressive scan RGB CMOS 1/3"
Lens	Varifocal, IR corrected, CS-mount 2.8–8 mm, F1.2 Horizontal angle of view: 80°–34° P-Iris
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**Extended D1:** Color: 0.05 lux, B/W: 0.008 lux, F1.2 **HDTV 720p 25/30 fps:** Color: 0.1 lux, B/W: 0.02 lux, F1.2 **With WDR – dynamic capture:** Color: 0.4 lux, B/W: 0.06 lux, F1.2 **HDTV 720p 50/60 fps:** Color: 0.2 lux, B/W: 0.04 lux, F1.2
Shutter time	1/43500 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 and Baseline Profile, Motion JPEG
Resolutions	**Extended D1:** 768x576 to 160x90 **HDTV 720p 50/60 fps:** 1280x720 to 160x90 **HDTV 720p 25/30 fps:** 1280x960[a] to 160x90
Frame rate	Up to 50/60 fps (50/60 Hz) in all resolutions (no WDR)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR H.264
Image settings	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zone, Fine tuning of behavior at low light, Text and image overlay, Privacy mask, Mirroring of images Rotation: Auto, 0°, 90°, 180°, 270° WDR – dynamic capture: Up to 120 dB depending on scene, Day/Night shift level, Shadow and highlight recovery, Backlight compensation

Audio

Audio streaming	Two-way
Audio compression	AAC-LC 8/16/32 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input/output	External balanced/unbalanced 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 access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], 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

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *www.axis.com* AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S, specification at *www.onvif.org*
Analytics	AXIS Video Motion Detection 3, Active tampering alarm, Audio detection Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection and third-party applications, see *www.axis.com/acap*
Event triggers	Analytics, Edge storage events, External input Shock detection
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
Data streaming	Event data
Built-in installation aids	Focus assistant, Pixel counter, Remote back focus

General

Casing	Camera: Metal (zinc) Color: White NCS S 1002-B IP66- and NEMA 4X-rated, IK10 impact resistant aluminum enclosure
Sustainability	PVC free
Memory	256 MB RAM, 128 MB Flash
Power	
Connectors	RJ45 10BASE-T/100BASE-TX PoE, 3.5 mm mic/line in, 3.5 mm line out RS485/RS422, Terminal block for two configurable inputs/outputs (12 V DC output, max load 50 mA)
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see *www.axis.com*
Operating conditions	–30 °C to 50 °C (–22 °F to 122 °F) with PoE Down to –40 °C (–40 °F) with Axis High PoE Midspan, max 30 W Humidity 10–100% RH (condensing)
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, IEC/EN/UL 60950-1 KCC KN32 Class B, KN35 EN 50121-4, IEC 62236-4, IEC/EN/UL 60950-22, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 62262 IK10
Dimensions	161 x 142 x 404 mm (6 5/16 x 5 9/16 x 15 15/16 in)
Weight	3525 g (7.7 lb)
Included accessories	AXIS T94Q01A Wall Mount, Sunshield Connector kit, Resistorx T20 tool, Installation Guide, Windows decoder 1-user license
Optional accessories	AXIS T91A47 Pole Mount, AXIS T94R01P Conduit Back Box, VT Corner Mount WCWA, VT Column Mount Ball Joint WFWCA, AXIS T98A16-VE Surveillance Cabinet, Axis Optional Lenses, AXIS T90B Illuminators, Axis network cable couplers, AXIS T8120 Midspan 15 W 1-port, AXIS T8133 Midspan 30 W 1-port, AXIS T8129 PoE Extender, AXIS Surveillance microSDXC™ Card 64 GB
Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/techsup/software*
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 *www.axis.com/warranty*

a. *1400x1050 (1.4 MP) scaled resolution available via VAPIX®*
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 (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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