

AXIS Q1604 Network Camera

For intense backlight conditions

AXIS Q1604 is an indoor fixed camera enabling clear identification of both people and objects, even in highly variable lighting conditions. With Wide Dynamic Range - Dynamic Capture, the camera provides homogeneous images without too dark or too bright parts. The remote back focus function enables fine-tuning of the focus from a computer, and the pixel counter helps verifying that the pixel resolution of an object or face fulfills regulatory or specific customer requirements. Power over Ethernet supplies power to the camera via the network, reducing installation costs. An SD/SDHC slot enables recordings to be stored locally.

> **Wide Dynamic Range - Dynamic Capture**

> **HDTV 720p**

> **Remote back focus**

> **Day/night functionality**



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Camera		Event triggers	Analytics, Edge storage events, External input
Image sensor	Progressive scan RGB CMOS 1/3"	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
Lens	Varifocal, IR corrected, CS-mount, Megapixel resolution P-Iris 2.8-8 mm, F1.2 Horizontal angle of view: 100°-34°	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Focus assistant, Pixel counter, Remote back focus
Minimum illumination	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	General	
Shutter time	1/29500 to 2 s	Casing	Camera: Metal (zinc) Color: White NCS S 1002-B
Video		Memory	256 MB RAM, 128 MB Flash
Video compression	H.264 (MPEG-4 Part 10/AVC), Main and Baseline Profile, Motion JPEG	Power	8-20 V DC or Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max. 6.9 W
Resolutions	1280x960 ^a (1 MP) to 160x90	Connectors	RJ45 10BASE-T/100BASE-TX PoE, 3.5 mm mic/line in, 3.5 mm line out DC input Terminal block for 1 alarm input and 1 output
Frame rate	25/30 fps	Edge storage	Support for SD/SDHC/SDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Video streaming	Multiple, individually configurable streams in H.264/Motion JPEG, Controllable frame rate and bandwidth VBR H.264	Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10-85% RH (non-condensing)
Image settings	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zone, Backlight compensation, Fine tuning of behavior at low light, Text and image overlay, Privacy mask, Mirroring of images Rotation: Auto, 0°, 90°, 180°, 270° including Corridor Format WDR-Dynamic Capture: Up to 120 dB depending on scene, Day/Night shift level, Shadow and highlight recovery	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 KN22 Class B, KN24
Audio		Dimensions	78 x 46 x 151 mm (3 1/16 x 1 13/16 x 5 15/16 in)
Audio streaming	Two-way	Weight	AXIS Q1604: 600 g (1.3 lb)
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	Included accessories	Stand, Connector kit, Resistorx T20 tool, Installation Guide, Windows decoder 1-user license
Audio input/output	External microphone, input or line input, line output Built-in microphone (can be disabled)	Optional accessories	Axis optional lenses, AXIS T90B Illuminators, Axis network cable couplers, AXIS T8129 PoE Extender, AXIS T8120 Midspan 15 W 1-port
Network		Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized Certificate Management	Languages	German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese
Supported protocols	IPv4/v6, 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	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
System integration		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 (eyay@cryptsoft.com).	
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	More information is available at www.axis.com	
Analytics	Video motion detection, Active tampering alarm, Audio detection Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see www.axis.com/acap		