# AXIS Q1614 Network Camera
## Outstanding HDTV 720p video in 50/60 fps

AXIS Q1614 is an indoor fixed camera enabling clear identification of both people and objects, even in highly variable lighting conditions. The Axis' Lightfinder technology makes it extremely sensitive to low light and the Wide Dynamic Range - Dynamic Capture 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 requirements. Leveling assistance guides the camera to the correct level, and auto rotation flips the image to the right orientation.

> **HDTV 720p at 50/60 fps**
> **Wide Dynamic Range - Dynamic Capture and Lightfinder**
> **Auto rotation**
> **Leveling assistance**
> **Shock detection**

## Camera

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| **Image sensor** | Progressive scan RGB CMOS 1/3" |
| **Lens** | Varifocal, IR corrected, CS-mount<br>2.8–8 mm, F1.2<br>Horizontal angle of view: 100°–34°<br>P-Iris |
| **Day and night** | Automatically removable infrared-cut filter |
| **Minimum illumination** | **Extended D1:**<br>Color: 0.05 lux, B/W: 0.008 lux, F1.2<br>**HDTV 720p 25/30 fps:**<br>Color: 0.1 lux, B/W: 0.02 lux, F1.2<br>**With WDR – dynamic capture:**<br>Color: 0.4 lux, B/W: 0.06 lux, F1.2<br>**HDTV 720p 50/60 fps:**<br>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

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| **Video compression** | H.264 (MPEG-4 Part 10/AVC), Main and Baseline Profile, Motion JPEG |
| **Resolutions** | **Extended D1:** 768x576 to 160x90<br>**HDTV 720p 50/60 fps:** 1280x720 to 160x90<br>**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<br>Controllable frame rate and bandwidth<br>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<br>Rotation: Auto, 0°, 90°, 180°, 270° including Corridor Format<br>WDR – dynamic capture: Up to 120 dB depending on scene, Day/Night shift level, Shadow and highlight recovery, Backlight compensation |

## Audio

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| **Audio streaming** | Two-way |
| **Audio compression** | AAC-LC 8/16/32 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz<br>Configurable bit rate |
| **Audio input/output** | Built-in microphone (can be disabled)<br>External balanced/unbalanced microphone or line input, line output |

## Network

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| **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

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| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform;<br>AXIS Video Hosting System (AVHS) with One-Click Connection<br>ONVIF Profile S, |
| **Analytics** | AXIS Video Motion Detection 3, Active tampering alarm, Audio detection<br>Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection and third-party applications, |

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| **Event triggers** | Analytics, Edge storage events, External input<br>Shock detection |
| **Event actions** | File upload: FTP, SFTP, HTTP, HTTPS, network share and email,<br>Send video clip<br>Notification: email, HTTP, HTTPS and TCP<br>Overlay text, Send SNMP Trap<br>Video and audio recording to edge storage<br>Pre- and post-alarm video buffering<br>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

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| **Casing** | Camera: Metal (zinc)<br>Color: White NCS S 1002-B |
| **Sustainability** | PVC free |
| **Memory** | 256 MB RAM, 128 MB Flash |
| **Power** | 8-28 V DC or Power over Ethernet<br>IEEE 802.3af/802.3at Type 1 Class 3<br>Max 10.8 W |
| **Connectors** | RJ45 10BASE-T/100BASE-TX PoE, 3.5 mm mic/line in, 3.5 mm line out<br>DC input<br>RS485/RS422, Terminal block for two configurable inputs/outputs (12 V DC output, max load 50 mA) |
| **Storage** | Support for microSD/microSDHC/microSDXC card<br>Support for recording to dedicated network-attached storage (NAS)<br>For SD card and NAS |
| **Operating conditions** | 0 °C to 50 °C (32 °F to 122 °F)<br>Humidity 10-85% RH (non-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<br>KCC KN32 Class B, KN35 |
| **Dimensions** | 82 x 58 x 136 mm (3 1/4 x 2 1/4 x 5 3/8 in) |
| **Weight** | 925 g (2 lb) |
| **Included accessories** | Stand<br>Connector kit, Resistorx T20 tool, Installation Guide, Windows decoder 1-user license |
| **Optional accessories** | Axis optional lenses, AXIS T90B Illuminators,<br>Axis network cable couplers, AXIS T8129 PoE Extender,<br>AXIS T8120 Midspan 15 W 1-port |
| **Video management software** | AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| **Warranty** | Axis 3-year warranty and AXIS Extended Warranty option. |

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