

AXIS Q3617-VE Network Camera

Outstanding image quality with easy installation

Thanks to its 1/1.8" sensor and high-performance image processing, AXIS Q3617-VE supports Lightfinder and WDR - Forensic Capture with optimal image quality in difficult light conditions. It provides 4 MP at 30 fps with WDR, or 6 MP at 20 fps with WDR disabled. AXIS Q3617-VE offers a unique remote pan/tilt/roll/zoom (PTRZ) solution, easy conduit connection and cable management for minimized installation time. The PTRZ capability is also useful if the camera needs to be redirected. Robust and reliable, AXIS Q3617-VE is designed for harsh environments. Electronic image stabilization delivers steady images even during vibrations.

- > **Exceptional video quality with 1/1.8" sensor**
- > **Lightfinder and WDR - Forensic Capture**
- > **4 MP at 30 fps with WDR**
- > **Unique PTRZ capability for efficient installation**
- > **Axis Zipstream technology**



AXIS Q3617-VE Network Camera

Camera

Image sensor

Progressive scan RGB CMOS 1/1.8"

Lens

Varifocal, 4.1–9 mm, F1.6

Horizontal field of view:

6 MP mode: 101°–46°, 4 MP 16:9 mode: 90°–41°

Vertical field of view:

6 MP mode: 66°–30°, 4 MP 16:9 mode: 49°–23°

Remote focus and zoom, P-Iris control, IR corrected

Day and night

Automatically removable infrared-cut filter

Minimum illumination

Color: 0.15 lux at 50 IRE, F1.6; B/W: 0.03 lux at 50 IRE, F1.6

Shutter speed

1/100000 s to 2 s

Camera adjustment

Pan 370°

Tilt +/- 81°

Roll +/- 110°

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles

Motion JPEG

Resolution

3072x2048 to 160x90

Frame rate

HDTV 1080p (1920x1080) without WDR: 50/60 fps with power line frequency 50/60 Hz

5 MP (3072x1728) with WDR: 20 fps

Video streaming

Multiple, individually configurable streams in H.264 and Motion JPEG

Axis Zipstream technology in H.264

Controllable frame rate and bandwidth

VBR/ABR/MBR H.264

Multi-view streaming

Up to 4 individually cropped out view areas

Image settings

Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zone, noise reduction, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format, text and image overlay, privacy mask, mirroring of images, electronic image stabilization, barrel distortion correction

WDR – forensic capture: Up to 115 dB depending on scene

Pan/Tilt/Zoom

2.2x optical zoom and 2x digital zoom

Digital PTZ

Optical zoom and digital PTZ preset positions

Network

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1x (EAP-TLS)¹ network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware

Network protocols

IPv4, IPv6, USGv6, HTTP, HTTPS¹, SSL/TLS¹, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1

1. 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).

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

One-click cloud connection

ONVIF® Profile S and ONVIF® Profile G, ONVIF® Profile T, specification at onvif.org

Event triggers

Analytics, Edge storage events, Shock detection

Event actions

Record video: SD card and network share

Upload of images or video clips: FTP, SFTP, HTTP, HTTPS network share and email

Pre- and post-alarm video or image buffering for recording or upload

Notification: email, HTTP, HTTPS, TCP and SNMP trap

Overlay text, zoom or digital PTZ preset

Data streaming

Event data

Built-in installation aids

Pan/tilt/roll: designed to withstand at least 200 full cycles, autoroll, remote zoom, remote focus, pixel counter

Analytics

Applications

Included

AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard

AXIS Video Motion Detection, active tampering alarm

Supported

AXIS Perimeter Defender

Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

General

Casing

IP66-, IP67-, IP6K9K- and NEMA 4X-rated, IK10 impact-resistant casing with polycarbonate dome, aluminum base and dehumidifying membrane

Color: White NCS S 1002-B

For repainting instructions of casing and impact on warranty, contact your Axis partner.

Mounting

Mounting bracket with holes for junction boxes (double-gang, single-gang, 4" octagon and 4" square) and for wall or ceiling mount
3/4" (M25) conduit side entries

Sustainability

PVC free

Memory

1 GB RAM, 256 MB Flash

Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3

Typical 6.1 W, max 11.4 W

Connectors

Shielded RJ45 10BASE-T/100BASE-TX PoE

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

-40 °C to 60 °C (-40 °F to 140 °F)

Humidity 10–100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

Approvals

EMC

EN 55022 Class B, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class B, KN35

Safety

IEC/EN/UL 60950-22

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, IEC/EN 60529 IP66/67, ISO 20653 IP6K9K, NEMA 250 Type 4X, IEC/EN 62262 IK10

Network

NIST SP500-267

Languages

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty

5-year warranty, see axis.com/warranty

Dimensions

Depth: 166 mm (6 9/16 in)

Depth with weathershield: 224 mm (8 13/16 in)

Ø 198 mm (7 13/16 in)

Weight

2.3 kg (5.1 lb) with weather shield

Included accessories

AXIS Connector Guard A, Safety hook wire, Installation Guide, Windows decoder 1-user license, Resistorx® L-key, Weathershield, Mounting bracket, Drill template, Cable gasket, Axis U-shape conduit adapter

Optional accessories

AXIS T94V01L Recessed Mount, AXIS T94V01D Pendant Kit, AXIS T98A17-VE Cabinets, Axis Pole Mounts, Axis Ceiling Mounts, Axis Wall Mounts, AXIS T90B Illuminators, AXIS ACI Conduit Adapter 3/4" NPS, AXIS Q36-VE Smoked Dome, AXIS Surveillance microSDXC™ Card

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