

AXIS Q6075 PTZ Network Camera

Indoor PTZ with HDTV 1080p and 40x optical zoom

AXIS Q6075 PTZ Network Camera offers HDTV 1080p and 40x optical zoom for great overviews and excellent details. This high-performance indoor PTZ camera comes with autotracking 2 with click and track functionality, as well as an orientation aid for active object tracking and quick orientation. With Axis Lightfinder 2.0 the camera delivers low-light images with more saturated colors and sharper images of moving objects. Plus, enhanced security features such as signed firmware and secure boot ensures the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with H.264/ H.265 significantly lowers bandwidth and storage requirements.

- > **HDTV 1080p with 40x optical zoom**
- > **Axis Lightfinder 2.0**
- > **Autotracking 2 and orientation aid**
- > **Built-in analytics**
- > **TPM, FIPS 140-2 level 2 certified**



AXIS Q6075 PTZ Network Camera

Variants

AXIS Q6075 50 Hz
AXIS Q6075 60 Hz

Camera

Image sensor

1/2.8" progressive scan CMOS

Lens

4.25–170 mm, F1.6–4.95
Horizontal field of view: 65.1°–2.00° (1080p)
Vertical field of view: 39.1°–1.18° (1080p)
Autofocus, auto-iris

Day and night

Automatically removable infrared-cut filter

Minimum illumination

Color: 0.1 lux at 30 IRE, F1.6
B/W: 0.002 lux at 30 IRE, F1.6
Color: 0.15 lux at 50 IRE, F1.6
B/W: 0.003 lux at 50 IRE, F1.6

Shutter speed

1/11000 s to 1/3 s with 50 Hz
1/11000 s to 1/3 s with 60 Hz

Pan/Tilt/Zoom

Pan: 360° endless, 0.05°–450°/s
Tilt: 180°, 0.05°–450°/s
Zoom: 40x optical, 12x digital, total 480x zoom
E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall

System on chip (SoC)

Model

ARTPEC-7

Memory

1024 MB RAM, 512 MB Flash

Compute capabilities

Machine learning processing unit (MLPU)

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
H.265 (MPEG-H Part 2/HEVC) Main Profile
Motion JPEG

Resolution

HDTV 1080p 1920x1080 to 320x180

Frame rate

Up to 50/60 fps (50/60 Hz) in HDTV 1080p

Video streaming

Multiple, individually configurable streams in H.264, H.265 and Motion JPEG
Axis Zipstream technology in H.264 and H.265
Controllable frame rate and bandwidth
VBR/ABR/MBR H.264/H.265

Image settings

Manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, electronic image stabilization (EIS), freeze on PTZ, automatic defog, backlight compensation, scene profiles
Wide Dynamic Range (WDR): Up to 120 dB depending on scene, highlight compensation

Signal-to-noise ratio

>55 dB

Audio

Streaming

Two-way, full duplex, half-duplex, simplex

Encoding

24bit LPCM, 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

Input/output

Requires multicable (sold separately) for external microphone or line input, and line output, automatic gain control

Network

Network protocols

IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS⁽¹⁾, TLS⁽¹⁾, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, PTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTCIP, LLDP, CDP, MQTT, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com

One-Click Cloud Connection

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

Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, and video management software from Axis' partners available at axis.com/vms.

Event conditions

Audio: audio detection

Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature
Edge storage: recording ongoing, storage disruption
I/O: digital input, manual trigger, virtual input
MQTT subscribe

PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready

Scheduled and recurring: scheduled event

Video: live stream open

Event actions

Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap

PTZ: PTZ preset, start/stop guard tour

File upload via FTP, SFTP, HTTP, HTTPS network share and email

Notification via email, HTTP, HTTPS and TCP

External output activation, audio recording to edge storage, play audio clip

MQTT publish

Built-in installation aids

Pixel counter, leveling guide

Analytics

Applications

AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, autotracking 2, active gatekeeper, audio detection

Included

Basic analytics (not to be compared with third-party analytics): object removed, enter/exit detector, object counter

Supported

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

AXIS Object Analytics

Object classes: humans, vehicles

Scenarios: line crossing, object in area, crossline counting, time in area

Up to 10 scenarios

Other features: triggered objects visualized with trajectories, color-coded bounding boxes and tables

Polygon include/exclude areas

Perspective configuration

ONVIF Motion Alarm event

AXIS Scene Metadata

Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates

Object attributes: confidence, position

Approvals

EMC

CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2

Australia/New Zealand: RCM AS/NZS CISPR 32 Class A

Canada: ICES-3(A)/NMB-3(A)

Japan: VCCI Class A

Korea: KCC KN32 Class A, KN35

USA: FCC Part 15 Subpart B Class A

Safety

IEC/EN/UL 60950-1, IS 13252

IEC/EN 62368-1

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 (ey@cryptsoft.com).

Environment

IEC/EN 60529 IP52, 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

Cybersecurity

ETSI EN 303 645, BSI IT Security Label, FIPS 140

Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR

Cybersecurity

Edge security

Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1), AES-XTS-Plain64 256bit SD card encryption
Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)⁽²⁾, IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS⁽²⁾, TLS v1.2/v1.3⁽²⁾, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation

AXIS OS Hardening Guide

Axis Vulnerability Management Policy

Axis Security Development Model

AXIS OS Software Bill of Material (SBOM)

To download documents, go to axis.com/support/cybersecurity/resources

To read more about Axis cybersecurity support, go to axis.com/cybersecurity

General

Casing

IP52-rated

Metal casing (aluminum), Acrylic (PMMA) clear dome

Sustainability

PVC free

Power

Axis PoE+ midspan 1-port: 100–240 V AC, max 22.4 W

IEEE 802.3at Type 2 Class 4

Camera PoE consumption: typical 11 W, max 17.1 W

Multiconnector:

24 V DC +/- 10%, typical 10.5 W, max 16.1 W

24 V AC +/- 10%, typical 16.5 VA, max 25.3 VA

Connectors

RJ45 10BASE-T/100BASE-TX PoE, multiconnector (cable sold separately) for AC/DC power, 4 configurable alarm inputs/outputs, mic in, line mono input, line mono output to active speaker

Storage

Support for SD/SDHC/SDXC 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

0 °C to 50 °C (32 °F to 122 °F)

Humidity 10–85% RH (non-condensing)

Storage conditions

–40 °C to 65 °C (–40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

Weight

Camera: 2.85 kg (6.3 lb); with drop-ceiling mount: 3.5 kg (7.7 lb)

Dimensions

Hard-ceiling: Ø198 x 240 mm (Ø7.8 x 9.45 in)

Drop-ceiling: Ø248 x 243 mm (Ø9.76 x 9.57 in)

Included accessories

Axis PoE+ midspan 1-port, Recessed mount for hard and drop ceilings, Smoked dome cover
Installation Guide, Windows decoder 1-user license

Optional accessories

AXIS P55/AXIS Q60 Multi-connector cable, 5 m

AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Languages

English, German, French, Spanish, Italian, Russian,
Simplified Chinese, Japanese, Korean, Portuguese,
Traditional Chinese, Dutch, Czech, Swedish, Finnish,
Turkish, Thai, Vietnamese

Warranty

5-year warranty, see axis.com/warranty