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

Models	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

Audio

Audio streaming	Two-way, full duplex, half-duplex, simplex
Audio 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
Audio input/output	Requires multicable (sold separately) for external microphone or line input, and line output, automatic gain control

Network

Security	IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, user access log, centralized certificate management, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS[a], TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTCIP, LLDP, CDP, MQTT, Syslog, 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*
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

AXIS Object Analytics	**Object classes:** humans, vehicles
	Trigger conditions: line crossing, object in area, time in area[BETA]
	Up to 10 scenarios
	Metadata visualized with trajectories and color-coded bounding boxes
	Polygon include/exclude areas
	Perspective configuration
	ONVIF Motion Alarm event
Metadata	**Object data:** Classes: humans, faces, vehicles, license plates
	Confidence, position
	Event data: Producer reference, scenarios, trigger conditions
Applications	**Included**
	AXIS Object Analytics, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, autotracking 2, active gatekeeper, audio detection
	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*

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption
	Hardware: Secure boot, Axis Edge Vault with secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)
Network security	IEEE 802.1X (EAP-TLS)[a], HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	*AXIS OS Hardening Guide*
	Axis Vulnerability Management Policy
	Axis Security Development Model
	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)
Approvals	**EMC** EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 **Safety** IEC/EN/UL 60950-1, IS 13252 IEC/EN 62368–1 **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 **Midspan:** EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR

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
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on *www.axis.com/vms*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see *axis.com/warranty*

a. *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).*

Environmental responsibility:

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