

# AXIS Q6075-E PTZ Network Camera

Outdoor-ready PTZ with HDTV 1080p and 40x optical zoom

AXIS Q6075-E PTZ Network Camera offers HDTV 1080p and 40x optical zoom for great overviews and excellent details. This high-performance outdoor 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-E PTZ Network Camera

**Variants** AXIS Q6075-E 50 Hz  
AXIS Q6075-E 60 Hz

## Camera

<b>Image sensor</b>	1/2.8" progressive scan CMOS
<b>Lens</b>	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
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	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
<b>Shutter speed</b>	1/11000 s to 1/3 s with 50 Hz 1/11000 s to 1/3 s with 60 Hz
<b>Pan/Tilt/Zoom</b>	Pan: 360° endless, 0.05°–450°/s Tilt: 220°, 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)

<b>Model</b>	ARTPEC-7
<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)

## Video

<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
<b>Resolution</b>	HDTV 1080p 1920x1080 to 320x180
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 1080p
<b>Video streaming</b>	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
<b>Image settings</b>	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

## Network

<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, 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, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
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## System integration

<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at <a href="http://onvif.org">onvif.org</a>
<b>Event conditions</b>	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

<b>Event actions</b>	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 MQTT publish
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<b>Built-in installation aids</b>	Pixel counter, leveling guide
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## Analytics

<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, autotracking 2, active gatekeeper <b>Basic analytics (not to be compared with third-party analytics):</b> object removed, enter/exit detector, object counter <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
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<b>AXIS Object Analytics</b>	<b>Object classes:</b> humans, vehicles <b>Scenarios:</b> line crossing, object in area, crossline counting, time in area Up to 10 scenarios <b>Other features:</b> triggered objects visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
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<b>Scene metadata</b>	<b>Object classes:</b> humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates <b>Object attributes:</b> confidence, position
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## Approvals

<b>EMC</b>	EN 50121-4, IEC 62236-4 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, EN 50121-4, IEC 62236-4 <b>Australia/New Zealand:</b> RCM AS/NZS CISPR 32 Class A <b>Canada:</b> ICES-3(A)/NMB-3(A) <b>Japan:</b> VCCI Class A <b>Korea:</b> KCC KN32 Class A, KN35 <b>USA:</b> FCC Part 15 Subpart B Class A
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<b>Safety</b>	IEC/EN/UL 60950-1, IS 13252 IEC/EN/UL 60950-22, IEC/EN/UL 62368-1
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<b>Environment</b>	IEC/EN 60529 IP66/IP67, NEMA TS 2 (2.2.7-2.2.9), IEC 62262 IK10, ISO 4892-2, EN 50121-4, IEC 62236-4, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, NEMA 250 Type 4X
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<b>Network</b>	NIST SP500-267
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<b>Cybersecurity</b>	ETSI EN 303 645, FIPS 140 <b>Midspace:</b> EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR
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## Cybersecurity

<b>Edge security</b>	<b>Software:</b> Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption <b>Hardware:</b> Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot
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<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
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<b>Documentation</b>	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a>
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To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://www.axis.com/cybersecurity)

General	
<b>Casing</b>	IP66-, IP67-, NEMA 4X- and IK10-rated Metal casing (aluminum), polycarbonate (PC) clear dome, sunshield (PC/ASA)
<b>Sustainability</b>	PVC free
<b>Power</b>	Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W Camera consumption: typical 14 W, max 51 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE, RJ45 Push-pull Connector (IP66/IP67) included
<b>Storage</b>	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 <a href="https://www.axis.com">axis.com</a>
<b>Operating conditions</b>	With 30 W: -20 °C to 50 °C (-4 °F to 122 °F) With 60 W: -50 °C to 50 °C (-58 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F)
	Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Weight</b>	3.75 kg (8.3 lb)
<b>Dimensions</b>	Ø232 x 271 mm (Ø9.13 x 10.7 in)
<b>Included accessories</b>	Axis High PoE 60 W SFP midspan 1-port, RJ45 Push-pull Connector (IP66), Sunshield Installation Guide, Windows decoder 1-user license
<b>Optional accessories</b>	Smoked dome cover AXIS T91 Mounting Accessories, AXIS T8415 Wireless Installation Tool, AXIS T90 Illuminators, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="https://www.axis.com/vms">www.axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="https://www.axis.com/warranty">axis.com/warranty</a>