AXIS Q6010-E Network Camera

For 360° real-time monitoring and great detail

With four 5 MP sensors, AXIS Q6010-E provides a complete 360° overview with great image usability both day and night. Designed for operation with current AXIS Q60-E PTZ Network Cameras, it enables one-click PTZ control and autopilot for automatic PTZ tracking within the viewing areas. And, each sensor has exchangeable lenses with autofocus and positioning calibration for maximum flexibility and accurate configuration. AXIS Q6010-E uses the same bracket, power supply and network cable as the connected AXIS Q60-E PTZ Network Camera for cost-efficient installation. Furthermore, Zipstream with support for H.264/H.265 significantly lowers bandwidth and storage requirements without compromising image quality.

> 360° camera with one-click PTZ control

> 4 x 5 MP sensors, total 20 MP resolution

> Exchangeable and tiltable lenses

> Requires a current AXIS Q60-E PTZ Network Camera

> Autopilot included

AXIS Q6010-E Network Camera

Models	AXIS Q6010-E 50 Hz AXIS Q6010-E 60 Hz

Camera

Supported products	AXIS Q6052-E PTZ Network Camera AXIS Q6054-E PTZ Network Camera AXIS Q6054-E Mk II PTZ Network Camera AXIS Q6054-E Mk III PTZ Network Camera AXIS Q6055-E PTZ Network Camera AXIS Q6074-E PTZ Network Camera AXIS Q6075-E PTZ Network Camera AXIS Q6078-E PTZ Camera
Image sensor	4 x 5 MP progressive scan RGB CMOS 1/2.5"
Lens	Autofocus lenses, Fixed iris, F2.0, Focal length: 2.8 mm Horizontal field of view: 360° Vertical field of view: 84°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.4 lux at 50 IRE, F2.0 B/W: 0.03 lux at 50 IRE, F2.0
Shutter speed	1/32500 to 1/20 s
Camera angle adjustment	Pan, tilt and rotate
Pan/Tilt/Zoom	One-click PTZ control

System on chip (SoC)

Model	S5
Memory	2048 MB RAM, 512 MB Flash

Video

Video compression	H.264 (MPEG-4 Part 10/AVC), Main and High Profiles H.265 (MPEG-H Part 2/HEVC), Main Profile
Resolution	4 x 2592x1944 to 320x240 Default: 2592x1944
Frame rate	Up to 20 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and H.265 Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth ABR/MBR H.264/H.265
Image settings	Resolution, compression, saturation, brightness, sharpness, contrast, white balance, exposure level, exposure mode, shutter & gain fine tuning of behavior at normal and low light, polygon privacy masks (maximum 8 per channel), WDR, dynamic text and image overlay

Network

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, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, 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 M, ONVIF® Profile S, and ONVIF® Profile T, specification at *onvif.org*
Analytics	**Included** AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Autopilot, AXIS Video Motion Detection, active tampering alarm, edge storage events **Supported** Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event conditions	Analytics, edge storage events, virtual inputs through API Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe PTZ: PTZ ready
	Scheduled and recurring: scheduled event Video: day-night mode, live stream open, tampering
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 PTZ: PTZ preset Overlay text, day/night mode, Status LED, WDR mode MQTT publish
Data streaming	Event data
Built-in installation aids	Installation focus, lens selection, positioning calibration, ptz remote connection.

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication, password protection **Hardware:** encrypted file system (AES-XTS-Plain64 256bit)
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* *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	IP66-, NEMA 4X- and IK10-rated Polycarbonate dome Aluminum casing
Sustainability	PVC free
Power	**AXIS Q6010-E with Solo Kit, without a PTZ Camera:** Power consumption: typical 9 W, max 22 W External power input 24 V DC: typical 8.0 W, max 74.4 W AXIS Midspan 30 W 1-port: 100–240 V AC, max 30 W **AXIS Q6010-E with AXIS Q60-E PTZ Network Cameras:** AXIS High PoE Midspan 1-port 100–240 V AC, max 60 W recommended
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE RJ45 10BASE-T/100BASE-TX/1000BASE-T Q60-E port M8 3-pin AC/DC input
Storage	Support for SD/SDHC/SDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	–50 °C to 50 °C (–58 °F to 122 °F) with AXIS Camera Heater Kit –40 °C to 50 °C (–40 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -40 °C (–40 °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** EAC, EN 55032 Class A, EN 55035, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KN35 **Safety** IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22, IS 13252 **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, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) **Network** NIST SP500-267
Dimensions	ø 395 mm (15.6 in) Height: 201 mm (7.9 in)

Weight	4.5 kg (9.1 lb)) excluding an AXIS Q60-E PTZ Network Camera
Included accessories	Q60-E adapter, Bayonet screws, Installation guide, Windows® decoder 1-user license
Optional accessories	AXIS Lens M12 6 mm 5P (horizontal field of view: 56°, vertical field of view: 42°), AXIS Lens M12 12 mm 5P (horizontal field of view: 31°, vertical field of view: 23°), AXIS Lens M12 16 mm 5P (horizontal field of view: 20°, vertical field of view: 15°), AXIS Q6010-E Solo kit, AXIS T91 Mounting accessories, Axis Midspan 60 W 1–port, AXIS Camera Heater Power Supply 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*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
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).*

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