AXIS Q6100-E Network Camera

For 360° real-time monitoring and great detail

With four 5 MP sensors, AXIS Q6100-E provides a complete 360° overview with great image usability day and night. Designed for use with any AXIS Q61 Series or AXIS Q63 Series camera, it enables one-click PTZ control and autopilot for automatic PTZ tracking within the viewing areas. Directional audio detection triggered by audio incidents redirects the PTZ camera to the audio source. Each sensor has exchangeable lenses with autofocus for maximum flexibility and accurate configuration. AXIS Camera Heater Power Supply is required when an AXIS Q63 Series is used.

> 360° camera with one-click PTZ control

> 4 x 5 MP sensors, total 20 MP resolution

> Exchangeable and tiltable lenses

> Requires an AXIS Q61 Series or AXIS Q63 Series camera

> Directional audio detection included

AXIS Q6100-E Network Camera

Models	AXIS Q6100-E 50 Hz AXIS Q6100-E 60 Hz

Camera

Supported products	AXIS Q61-E PTZ Network Cameras AXIS Q63-E PTZ Network Cameras
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 VBR/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, HTTPS, HTTP/2, 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, TCP, UDP, IGMP, 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 Directional audio detection, autopilot, AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard, AXIS Video Motion Detection, active tampering alarm, edge storage events 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	Signed firmware, brute force delay protection, digest authentication, password protection, encrypted file system (AES-XTS-Plain64 256bit)
Network security	IEEE 802.1X (EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, 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 hardcoated dome Aluminum casing
Sustainability	PVC free
Power	**AXIS Q6100-E with Solo Kit (without a PTZ):** Power consumption: typical 9 W, max 23 W External power input 24 V DC: typical 8.6 W, max 75 W AXIS Midspan 30 W 1-port: 100-240 V AC, max. 30 W **AXIS Q6100-E with AXIS Q61-E PTZ Network Cameras:** AXIS High PoE midspan 1-port 100-240 V AC, max 60 W recommended **AXIS Q6100-E with AXIS Q63-E PTZ Network Cameras:** AXIS High PoE midspan 1-port 100-240 V AC, max 60 W recommended, plus AXIS Camera Heater Power Supply (required when used with AXIS Q63-E PTZ Network Camera)
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE RJ45 10BASE-T/100BASE-TX/1000BASE-T Q61-E port M8 3-pin AC/DC input
Storage	Support for SD/SDHC/SDXC card and encryption 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 Power Supply -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 361 mm (14.2 in) Height: 192 mm (7.6 in)

Weight	4.0 kg (8.8 lb)) excluding an AXIS Q61-E PTZ Network Camera or AXIS Q63-E PTZ Network Camera		For more accessories, see *axis.com*
Included accessories	AXIS Q61-E and AXIS Q63-E adapter, bayonet screws, installation guide, Windows® decoder 1-user license	**Video management software**	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at *axis.com/vms*
Required accessories	AXIS Camera Heater Power Supply is required when an AXIS Q63 Series is used.	**Languages**	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Optional accessories	Axis Lens M12 6 mm 5P, Axis Lens M12 12 mm 5P, Axis Lens M12 16 mm 5P, Axis Lens M12 25 mm 5P, AXIS T91 Mounting accessories, Axis Midspan 60 W 1–port, AXIS Camera Heater Power Supply	**Warranty**	5-year warranty, see *axis.com/warranty*

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