



AXIS Q8741-E Bispectral PTZ Network Camera

Thermal and visual surveillance in one

AXIS Q8741-E Bispectral PTZ Network Camera is a high-end combination of a visual sensor (HDTV 1080p) with zoom (30x optical) and a thermal sensor (384x288). The positioning camera is ideal for mission-critical surveillance that demands 24-hour monitoring of restricted areas. AXIS Q8741-E is designed for continuous and jerk-free pan (360°) and tilt movements (135° from ground to sky). Easy to control and install with one IP address and multiple mounting options. When column-mounted, it enables 360° unobstructed field of view.

- > Reliable detection, fast verification and identification
- > Responsive positioning 360° endless pan and 135° from ground to sky
- > Bispectral video streams
- > Easy to install with one IP address
- > Long-distance network connection









Camera			AXIS Perimeter Defender, AXIS Camera Application
Image sensor	Visual: 1/2.8" progressive scan CMOS Thermal: Uncooled micro bolometer 384x288 pixels, Pixel size:		Platform enabling installation of third-party applications, see www.axis.com/acap
Lens	17μm Visual: 4.3–129 mm, F1.6–4.7	Event triggers	Analytics, temperature, external input, time scheduled, edge storage events, PTZ preset
	Horizontal field of view: 65.6°-2° Vertical field of view: 39°-1.2° Autofocus, auto-iris Thermal: Athermalized 35 mm, F1.2 Near focus distance: 33 m (108 ft) Horizontal field of view: 10.5° Vertical field of view: 7.9°	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, start/stop guard tour
Day and night	Visual: Automatically removable infrared-cut filter in night mode Visual:		Overlay text, external output activation, wiper sequence, washe sequence
Minimum illumination	Visua: Color: 0.2 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 Color: 0.25 lux at 50 IRE F1.6 B/W: 0.02 lux at 50 IRE F1.6	Data streaming	Event data
		Built-in installation aids	Pixel counter
Sensitivity	Thermal: NETD < 70 mK	General	
Shutter time	Visual: 1/66500 s to 2 s	Casing	IP66- and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°-120°/s Tilt: -90° to +45°, 0.05°-65°/s		Front window: Visual: Glass, Thermal: Germanium Long-life silicone wiper Weathershield: High-impact UV-stabilized thermoplastic
	Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) Preset accuracy: 0.05°	Sustainability	PVC free
	256 preset positions, guard tour, control queue, focus window,	Memory	512 MB RAM, 512 MB Flash
	on-screen directional indicator, de-icing control ^a , dynamic load balancing ^b Visual: 30x optical zoom and 12x digital zoom, total 360x zoom, Focus recall	Power	24 V AC/DC, typical 16 W, max 204 W TVS 2000V, surge protection, voltage transient protection I/O connector: output power 12 V DC, max load 50 mA
Video		Connectors	SFP slot (SFP module not included) ^d
Video compression	H.264 (MPEG-4 Part 10/AVC), Baseline, Main and High Profiles Motion JPEG		RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector ^d Power connector I/O connector: 6-pin terminal block with 4 configurable
Resolution	Visual: 1920x1080 (HDTV 1080p) to 320x180 Thermal: Sensor is 384x288. Image can be scaled up to 768x576		inputs/outputs
Frame rate	Visual: Up to 25/30 fps (50/60 Hz) in HDTV 1080p Thermal: Up to 8.3 fps and 30 fps	Storage	Support for microSD/microSDHC/microSDXC card (included) Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Video streaming Image settings	Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264 Multiple, individually configurable streams in H.264 and Motion JPEG Visual: Compression, color, brightness, sharpness, contrast,	Operating conditions	-50 °C to 55 °C (-58 °F to 131 °F) Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity: 10-100% RH (condensing) Wind load when PTZ operational 37 m/s (83 mph) ^e , 45 m/s (100 mph) without weathershield
	local contrast, white balance, exposure control, exposure zones, automatic backlight compensation, fine tuning of behavior at low light, 120 dB WDR – forensic capture, manual shutter time, text and image overlay, 20 individual 3D privacy masks Thermal: Compression, brightness, sharpness, contrast, local contrast, exposure control, exposure zones, text and image overlay	Storage conditions	Maximum effective projected area (EPA): 0.138 m ² -40 °C to 70 °C (-40 °F to 158 °F)
		Approvals	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4
Network			Environment
Security	Password protection, IP address filtering, HTTPS ^c encryption, network fail-over link ^d , IEEE 802.1X ^c network access control, digest authentication, user access log, centralized certificate management		IEC/EN 60529 IP66, IEC 62262 IK10 ^f , NEMA 250 Type 4x, ISO 4892-2, IEC 60721-3-4 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22
Supported	IPv4/v6, HTTP, HTTPS ^c , SSL/TLS ^c , QoS Layer 3 DiffServ, FTP, SFTP,	Dimensions	245 x 355 x 580 mm (9½ x 14 x 23 in)
protocols	CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP,	Weight	245 X 355 X 580 mm (9½ X 14 X 23 In) 14.9 kg (32.8 lb)
	ARP, SOCKS, SSH, NTCIP	Included	Installation Guide
System integration Application Open API for software integration, including VAPIX®		accessories	AXIS Surveillance microSDXC™ Card 64 GB Connector Kit Torx® T20 bit, Torx® T30 bit
Programming Interface	and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) ONVIF® Profile S and ONVIF® Profile G, specification at www.onvif.org	Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Washer Kit B, AXIS Cable 24 V DC/24-240 V AC 22 mg, AXIS T8611 SFP Module LC.IX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T, AXIS T99 Illuminator Bracket Kit A
Analytics	Included AXIS Video Motion Detection Supported		For more accessories, see www.axis.com



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	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
Export control	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.

- Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX). Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.
- c. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).
 d. If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the fail-over link.
 e. The values shown are based on results from actual wind tunnel testing. For drag force calculations, use maximum effective projected area (EPA).
 f. Excluding front window.
 g. When using the 22 m (72 ft) AXIS Cable 24 V DC/24-240 V AC, a power supply capable of delivering 300 W is required to compensate for the power loss in the cable.

Environmental responsibility:

www.axis.com/environmental-responsibility

