

# 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**



# AXIS Q8741-E Bispectral PTZ Network Camera

Camera		AXIS Perimeter Defender, AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
Image sensor	Visual: 1/2.8" progressive scan CMOS Thermal: Uncooled micro bolometer 384x288 pixels, Pixel size: 17µm	<b>Event triggers</b> Analytics, temperature, external input, time scheduled, edge storage events, PTZ preset <b>Event actions</b> 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 Overlay text, external output activation, wiper sequence, washer sequence
Lens	Visual: 4.3–129 mm, F1.6–4.7 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°	
Day and night	Visual: Automatically removable infrared-cut filter in night mode	
Minimum illumination	Visual: 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	
Sensitivity	Thermal: NETD < 70 mK	
Shutter time	Visual: 1/66500 s to 2 s	<b>Data streaming</b> Event data
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°–120°/s Tilt: -90° to +45°, 0.05°–65°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, focus window, on-screen directional indicator, de-icing control <sup>a</sup> , dynamic load balancing <sup>b</sup> Visual: 30x optical zoom and 12x digital zoom, total 360x zoom, Focus recall	<b>Built-in installation aids</b> Pixel counter
General		
Casing	IP66- and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: Visual: Glass, Thermal: Germanium Long-life silicone wiper Weathershield: High-impact UV-stabilized thermoplastic	
Sustainability	PVC free	
Memory	512 MB RAM, 512 MB Flash	
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	
Connectors	SFP slot (SFP module not included) <sup>d</sup> RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector <sup>d</sup> Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs	
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 <a href="http://www.axis.com">www.axis.com</a>	
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) <sup>e</sup> , 45 m/s (100 mph) without weathershield Maximum effective projected area (EPA): 0.138 m <sup>2</sup>	
Storage conditions	-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 Environment IEC/EN 60529 IP66, IEC 62262 IK10 <sup>f</sup> , NEMA 250 Type 4x, ISO 4892-2, IEC 60721-3-4 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22	
Dimensions	245 x 355 x 580 mm (9½ x 14 x 23 in)	
Weight	14.9 kg (32.8 lb)	
Included accessories	Installation Guide AXIS Surveillance microSDXC™ Card 64 GB Connector Kit Torx® T20 bit, Torx® T30 bit	
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 m <sup>9</sup> , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T, AXIS T99 Illuminator Bracket Kit A For more accessories, see <a href="http://www.axis.com">www.axis.com</a>	

<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://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
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>
<b>Export control</b>	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.

- a. Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX).  
 b. 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](http://www.openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@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](http://www.axis.com/environmental-responsibility)