

## AXIS Q8642-E PT Thermal Network Camera

Unobstructed views and long-distance VGA detection

AXIS Q8642-E PT Thermal Network Camera offers outstanding thermal contrast and 10° field of view, which together with analytics, enables long-range detection and immediate visual confirmation for the operator. Highly responsive and reliable positioning camera, designed for continuous and jerk-free pan and tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables 360° unobstructed field of view, covering a wide area and reducing the cost for additional cameras. AXIS Q8642-E provides 640x480 thermal resolution, Zipstream and electronic image stabilization. Features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link

- > Reliable thermal detection
- > Outstanding thermal contrast 640x480 resolution
- Responsive positioning with quick, smooth pan and tilt capabilities
- > Save bandwidth with Zipstream
- > Electronic image stabilization





	AXIS Q8642-E PT Ther	TITOT IAGI	WOIL CUITICIU	
Models	AXIS Q8642-E 60 mm 30 fps 24 V AXIS Q8642-E 60 mm 8.3 fps 24 V		Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic	
Camera		Sustainability	PVC free	
Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm	Memory	512 MB RAM, 256 MB Flash	
Lens	Athermalized Horizontal field of view: 10°, F1.25	Power	24 V AC/DC Typical: 16 W. Max: 182 W Power loss recovery <sup>d</sup> , TVS 2 kV surge protection	
Sensitivity	NETD < 50 mK		I/O connector Output power: 12 V DC. Max load: 50 mA	
Pan/Tilt	Pan: 360° endless, 0.05°-120°/s Tilt: -90 to +45°, 0.05°-60°/s.  Jerk-free movements at low speed: σ < 0.01°/s (at 0.05°/s)  De-icing control <sup>a</sup> Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen	Connectors	SFP slot (SFP module not included) <sup>e</sup> RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector <sup>e</sup> Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs	
	directional indicator, de-icing control, dynamic load balancing <sup>b</sup>	Storage	Support for microSD/microSDHC/microSDXC card	
Video Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG		Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com	
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	Operating conditions	-40 °C to 60 °C (–40 °F to 140 °F) Humidity 10–100% RH (condensing) Wind load when PT operational	
Frame rate	Up to 8.3 fps and 30 fps			
Video streaming	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264		47 m/s (106 mph).  Maximum effective projected area (EPA): 0.105 m <sup>2</sup>	
		Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes	Approvals	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A	
Network			EN 50121-4, IEC 62236-4	
Security	Password protection, IP address filtering, HTTPS <sup>C</sup> encryption, network fail-over link <sup>c</sup> ,IEEE 802.1X <sup>C</sup> network access control, digest authentication, user access log, centralized certificate management		Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27	
Supported protocols	IPv4/v6, HTTP, HTTPS <sup>C</sup> , SSL/TLS <sup>C</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)	
		Weight	12.2 kg (27 lb)	
System integration		Included accessories	Installation guide, Windows decoder 1-user license Power connector, I/O connector, Torx® bits T20 and T30	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection 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 Cable 24 V DC/24-240 V AC 22 mf AXIS T8611 SFP Module LC.LX AXIS T8612 SFP Module LC.SX	
Analytics	Included AXIS Video Motion Detection, shock detection		AXIS T8613 SFP Module 1000BASE-T For more accessories, see www.axis.com	
	Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads	
Event triggers	installation of third-party applications, see www.axis.com/acap  Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	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.	
Event actions	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay text PTZ control: preset position, guard tour	<ul> <li>a. Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.</li> <li>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.</li> <li>c. This product includes software developed by the OpenSSL Project for use in the</li> </ul>		
	File upload: FIP, HIIP, HIIPS, SFIP, network share, email OnenSSLT		oolkit (www.onenssl.org) and cryptographic software written by Fric	
Data streaming	Event data	Young (eay@cryptsoft.com). d. IP data and home position retained, and guard tour and other events resumed. e. 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 failover link. f. When using the 22 m (72 ft) AXIS Cable 24 V DC/24–240 V AC, a power supply capable of delivering 220 W is required to compensate for the power loss in the cable		
Built-in installation aids	Pixel counter			
General		Environmental rec	nonsihility	
Casing	IP66- and NEMA 4X-rated powder coated aluminum	Environmental responsibility:		



www.axis.com/environmental-responsibility

Color: white NCS S 1002-B