

## 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





T10097054/EN/M11.2/2005 www.axis.com

	AXIS Q8642-E PT Then	mal Net	work Camera
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-sta
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 I/O connector
Sensitivity	NETD < 50 mK		Output power 12 V DC, max lo
Pan/Tilt	Pan: $360^\circ$ endless, $0.05^\circ$ - $120^\circ$ /s  Tilt: $-90$ to $+45^\circ$ , $0.05^\circ$ - $60^\circ$ /s.  Jerk-free movements at low speed: $\sigma < 0.01^\circ$ /s (at $0.05^\circ$ /s)  De-icing control <sup>a</sup> Preset accuracy: $0.05^\circ$ 256 preset positions, guard tour, control queue, on-screen	Connectors	SFP slot (SFP module not inclu RJ45 10BASE-T/100BASE-TX/1 Power connector I/O connector: 6-pin terminal inputs/outputs
Trial	directional indicator, de-icing control, dynamic load balancing <sup>b</sup>	Storage	Support for microSD/microSDF
Video Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles		Recording to network-attache For SD card and NAS recomme
compression	Motion JPEG	Operating	-40 °C to 60 °C (-40 °F to 14
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	conditions	Humidity 10-100% RH (conde
Frame rate	Up to 8.3 fps and 30 fps		47 m/s (106 mph).
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/ABR/MBR H.264	Storage	Maximum effective projected = -40 °C to 65 °C (-40 °F to 149
		conditions	-+0 C t0 05 C (-40 F t0 14)
		Approvals	EMC
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes		EN 55032 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3, VCCI Class A ITE, ICES-003 Clas EN 50121-4, IEC 62236-4
Network			Safety
Security	Password protection, IP address filtering, HTTPS <sup>c</sup> encryption, network fail-over link <sup>e</sup> , IEEE 802.1x (EAP-TLS) <sup>c</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		IEC/EN/UL 62368-1, IEC/EN/UI Environment IEC/EN 60529 IP66, NEMA 25 IEC 60068-2-2, IEC 60068-2- Network NIST SP500-267
Supported protocols	IPv4, IPv6 USGv6, 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, NTCIP, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP,	Dimensions	557 x 229 x 289 mm (22 x 9 x
protocois		Weight	12.2 kg (27 lb)
Countries into any	ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT	Included	Installation guide, Windows® o
System integro Application	Open API for software integration, including VAPIX® and	Optional	Power connector, I/O connector  AXIS T94J01A Wall Mount, A
Programming Interface	AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org Included	accessories	Mount, AXIS T95A64 Corner AXIS Cable 24 V DC/24-240 V LC.LX, AXIS T8612 SFP Module 1000BASE-T
Analytics	AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence		For more accessories, see axis.
	Guard, shock detection Supported AXIS Perimeter Defender	Video management software	AXIS Companion, AXIS Camers software from Axis' Application at axis.com/vms
	Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Languages	English, German, French, Span Chinese, Japanese, Korean, Por
Event triggers	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	Warranty	Axis 3-year warranty and AXIS axis.com/warranty
		Export control	This product is subject to expr should always consult and cor appropriate local export contri
Event actions	Time: recurrence, use schedule  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 File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email	<ul> <li>a. Internal heaters to defrost ice build-up. Automat HTTP API (VAPIX) for positioning unit.</li> <li>b. Pan and tilt motors actively compensate for chan by external forces such as high winds. This allows at low wind.</li> <li>c. This product includes software developed by the OpenSSL Toolkit. (openssl.org), and cryptographic (eay@cryptsoft.com).</li> <li>d. IP data and home position retained, and guard to the figure product in the SEP sl</li> </ul>	
Data streaming	Event data	e. If a network link is established via both the SFP si former acts as the primary link and the latter as t f. When using the 22 m / 27 th JAVIS Cable 24 V DC/ capable of delivering 220 W is required to compen	
Built-in installation aids	Pixel counter		
~ .		Environmental rest	oncinility.

	Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic	
Sustainability	PVC free	
Memory	512 MB RAM, 256 MB Flash	
Power	24 V AC/DC Typical 16 W, max 182 W Power loss recovery <sup>d</sup> , TVS 2 kV surge protection I/O connector Output power 12 V DC, max load 50 mA	
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	
Storage	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Operating conditions	-40 °C to 60 °C (–40 °F to 140 °F) Humidity 10–100% RH (condensing) Wind load when PT operational 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m²	
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	
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 EN 50121-4, IEC 62236-4 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 Network NIST SP500-267	
Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)	
Weight	12.2 kg (27 lb)	
Included accessories	Installation guide, Windows® decoder 1-user license Power connector, I/O connector, Torx® bits T20 and T30	
Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24-240 V AC 22 m <sup>f</sup> , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see <i>axis.com</i>	
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, Traditional Chinese	
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see 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.	

a. Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.
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. (openssl.org), and cryptographic software written by Eric 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.

axis.com/environmental-responsibility

Environmental responsibility:



IP66- and NEMA 4X-rated powder coated aluminum

Color: white NCS S 1002-B

General

Casing