

AXIS Q8631-E PT Thermal Network Camera

Thermal imaging with pan/tilt positioning

AXIS Q8631-E PT Thermal Network Camera is quick and accurate, allowing the user to have one PT camera with pre-sets instead of several fixed thermal cameras to cover an area. The deterrent design is compliant with IP66 and NEMA 4X for protection against dust, rain and snow. PT-thermal cameras are typically found at high-security industrial and infrastructure installations such as data centers, solar/power plants and electrical substations, as well as borders and harbors. In places with high risk for dust, salt, sand and emission of soot from vehicles, a washer can be purchased to spray cleaning fluid on the window.

- > **Thermal imaging (384x288)**
- > **High speed pan/tilt**
- > **Continuous pan, 360° endless**
- > **Water and dust resistant**
- > **-40 °C to 55 °C (-40 °F to 131 °F)**



AXIS Q8631-E PT Thermal Network Camera

Models	AXIS Q8631-E 24 V AC 8.3 fps AXIS Q8631-E 24 V AC 30 fps AXIS Q8631-E 120 V AC 8.3 fps AXIS Q8631-E 120 V AC 30 fps AXIS Q8631-E 230 V AC 8.3 fps AXIS Q8631-E 230 V AC 30 fps	Casing	IP66- and NEMA 4X-rated metal casing (aluminum) and ABS Color: RAL 9002
Camera		Memory	256 MB RAM, 128 MB Flash
Image sensor	Uncooled Micro bolometer 384x288, Pixel pitch: 17µm	Power	24 V AC: 4 A 120 AC, 230 V AC: Max.: 55 W Typical: 40 W
Lens	35 mm, F1.2 Horizontal angle of view: 10.7°	Connectors	RJ45 10BASE-T/100BASE-TX Network connector Terminal blocks: Power connector CN1, Signal connector REL1 in CN4
Sensitivity	NETD < 70 mK	Storage	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Pan/Tilt/Zoom	No zoom Preset positions, Guard tour, Driver selection, Control queue Pan: Continuous Tilt: +90° to -40° Pan speed: 0.02°/s to 100°/s Tilt speed: 0.02°/s to 40°/s Preset accuracy: 0.02°	Operating conditions	-40 °C to 55 °C (-40 °F to 131 °F) Humidity 10 - 100% RH (condensing) Arctic Temperature Control enables camera start-up at temperatures as low as -40 °C/°F
Video		Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Video compression	H.264 (MPEG-4 Part 10/AVC), H.264 Main and Baseline Profile, Motion JPEG	Approvals	EMC EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, 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 22 Class A, EN 50121-4 230 V AC: KCC KN22 Class A, KN24 Environment IEC/EN 60529 IP66, NEMA 250 4x Safety IEC/EN 60950-1, IEC/EN 60950-22 24 V AC and 120 V AC 30 fps: UL 60950-1, UL 60950-22
Resolutions	Sensor is 384x288. Image can be scaled up to 768x576	Dimensions	258 x 584 x 463 mm (10 3/16 x 23 x 18 1/4 in)
Frame rate	Up to 8.3 fps and 30 fps	Weight	17.5 kg (38.6 lb)
Video streaming	At least three H.264 and Motion JPEG streams using the same palette, simultaneous and individually configured in max resolution at 30 fps Controllable frame rate and bandwidth VBR/CBR H.264	Included accessories	Installation Guide, Sunshield
Image settings	Compression, Brightness, Sharpness, Exposure control, Rotation, Mirroring of images, Text and image overlay, Contrast, Multiple palettes	Required hardware	AXIS Wall Bracket K or AXIS Column Bracket K
Network		Optional accessories	AXIS Washer Kit A AXIS T95A64 Corner Bracket AXIS T95A67 Pole Bracket AXIS T98A15-VE Media Converter Cabinet A
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log	Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
System integration		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
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, specification at www.onvif.org	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.
Analytics	AXIS Video Motion Detection 2, AXIS Cross Line Detection, Shock detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	Environmental responsibility:	www.axis.com/environmental-responsibility
Event triggers	Analytics, Temperature, External input, Time scheduled, Edge storage events, PTZ preset		
Event actions	File upload: FTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS and TCP Video recording to edge storage, Pre- and post-alarm video buffering, Overlay text		
Data streaming	Event data		
Built-in installation aids	Pixel counter		
General			

a. 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 (eyay@cryptsoft.com).