

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
Camera	
Image sensor	Uncooled Micro bolometer 384x288, Pixel pitch: 17µm
Lens	35 mm, 10.7° view ^a , F1.2
Sensitivity	NETD < 70 mK
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°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC), H.264 Main and Baseline Profile, Motion JPEG
Resolutions	Sensor is 384x288. Image can be scaled up to 768x576
Frame rate	Up to 30 fps within EU, Norway, Switzerland, Canada, USA, Japan, Australia, New Zealand Up to 8.3 fps in other countries ^b
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
Image settings	Compression, Brightness, Sharpness, Exposure control, Rotation, Mirroring of images, Text and image overlay, Contrast, Multiple palettes
Network	
Security	Password protection, IP address filtering, HTTPSC encryption, IEEE 802.1X ^c network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPSC, SSL/TLS ^c , 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
System integration	
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 Camera Connection. ONVIF Profile S, specification at www.onvif.org
Analytics	Video motion detection, Shock detection, Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3.1 and third-party applications, see www.axis.com/acap
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	
Casing	IP66- and NEMA 4X-rated metal casing (aluminum) and ABS, Color: RAL 9002
Memory	256 MB RAM, 128 MB Flash
Power	24 V AC: 4 A 120 AC, 230 V AC: Max.: 55 W Typical: 40 W
Connectors	RJ45 10BASE-T/100BASE-TX Network connector Terminal blocks: Power connector CN1, Signal connector REL1 in CN4
Edge storage	SD card slot supporting microSD/microSDHC/microSDXC cards (card not included). Support for recording to dedicated network-attached storage (NAS). For microSD card and NAS recommendations, see http://www.axis.com
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
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, C-tick 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
Dimensions	258 x 584 x 463 mm (10.2 x 23 x 18.2 in)
Weight	17.5 kg (38.6 lb)
Included accessories	Installation Guide, Sunshield, AXIS Video Motion Detection 3.1
Required hardware	AXIS Wall Bracket K or AXIS Column Bracket K
Optional accessories	AXIS Washer Kit A, AXIS T95A64 Corner Bracket, AXIS T95A67 Pole Bracket, AXIS T98A15-VE Media Converter Cabinet A
Video management software	AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

- a. Horizontal angle of view
b. Frame rate above 9 fps may be subject to export control regulations
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 (ey@cryptsoft.com).

More information is available at www.axis.com