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, F1.2 Horizontal field of view: 10.7°
Sensitivity	NETD < 70 mK
Pan/Tilt/Zoom	Pan: 360° endless, 0.02°/s to 100°/s Tilt: +90° to -40°, 0.02°/s to 40°/s No zoom Preset accuracy: 0.02° Preset positions, guard tour, driver selection, control queue

Video

Video compression	H.264 (MPEG-4 Part 10/AVC), H.264 Main and Baseline Profiles Motion JPEG
Resolutions	Sensor 384x288 with image scaling up to 768x576
Frame rate	Up to 8.3 fps and 30 fps
Video streaming	Minimum 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/MBR 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, HTTPS[a] encryption, IEEE 802.1X[a] network access control, digest authentication, user access log, centralized certificate management
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, 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 Connection ONVIF® Profile S and ONVIF® Profile G, specification at www.onvif.org
Analytics	AXIS Video Motion Detection 4, Shock detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
Event triggers	Analytics, temperature, external input, time scheduled, edge storage events, PTZ preset
Event actions	Video recording to edge storage, pre- and post-alarm video buffering, overlay text File upload via FTP, SFTP, HTTP, HTTPS, network share and email Notification via email, HTTP, HTTPS and TCP
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	IP66- and NEMA 4X-rated aluminum casing and ABS Color: RAL 9002

Memory	256 MB RAM, 128 MB Flash
Power	24 V AC 120 AC 230 V AC Typical: 40 W Max: 55 W
Connectors	RJ45 10BASE-T/100BASE-TX network connector Power connector CN1 Signal connector REL1 in CN4
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see 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
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °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, 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
Dimensions	258 x 584 x 463 mm (10 3/16 x 23 x 18 1/4 in)
Weight	17.5 kg (38.6 lb)
Included accessories	Installation Guide Sunshield
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 For more accessories, see www.axis.com
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
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.

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 (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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