

# 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

<b>Models</b>	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	<b>Casing</b>	IP66- and NEMA 4X-rated metal casing (aluminum) and ABS Color: RAL 9002
<b>Camera</b>		<b>Memory</b>	256 MB RAM, 128 MB Flash
<b>Image sensor</b>	Uncooled Micro bolometer 384x288, Pixel pitch: 17µm	<b>Power</b>	24 V AC: 4 A 120 AC, 230 V AC: Max.: 55 W Typical: 40 W
<b>Lens</b>	35 mm, F1.2 Horizontal angle of view: 10.7°	<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX Network connector Terminal blocks: Power connector CN1, Signal connector REL1 in CN4
<b>Sensitivity</b>	NETD < 70 mK	<b>Edge storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Pan/Tilt/Zoom</b>	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°	<b>Operating conditions</b>	-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
<b>Video</b>		<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC), H.264 Main and Baseline Profile, Motion JPEG	<b>Approvals</b>	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
<b>Resolutions</b>	Sensor is 384x288. Image can be scaled up to 768x576	<b>Dimensions</b>	258 x 584 x 463 mm (10 3/16 x 23 x 18 1/4 in)
<b>Frame rate</b>	Up to 8.3 fps and 30 fps	<b>Weight</b>	17.5 kg (38.6 lb)
<b>Video streaming</b>	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	<b>Included accessories</b>	Installation Guide, Sunshield
<b>Image settings</b>	Compression, Brightness, Sharpness, Exposure control, Rotation, Mirroring of images, Text and image overlay, Contrast, Multiple palettes	<b>Required hardware</b>	AXIS Wall Bracket K or AXIS Column Bracket K
<b>Network</b>		<b>Optional accessories</b>	AXIS Washer Kit A AXIS T95A64 Corner Bracket AXIS T95A67 Pole Bracket AXIS T98A15-VE Media Converter Cabinet A
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log	<b>Video management software</b>	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</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, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>System integration</b>		<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform, specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Export control</b>	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.
<b>Analytics</b>	AXIS Video Motion Detection 2, AXIS Cross Line Detection, Shock detection Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3, AXIS Digital Autotracking and third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>		
<b>Event triggers</b>	Analytics, Temperature, External input, Time scheduled, Edge storage events, PTZ preset		
<b>Event actions</b>	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		
<b>Data streaming</b>	Event data		
<b>Built-in installation aids</b>	Pixel counter		
<b>General</b>			

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).

More information is available at [www.axis.com](http://www.axis.com)