

# 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<br>AXIS Q8631-E 24 V AC 30 fps<br>AXIS Q8631-E 120 V AC 8.3 fps<br>AXIS Q8631-E 120 V AC 30 fps<br>AXIS Q8631-E 230 V AC 8.3 fps<br>AXIS Q8631-E 230 V AC 30 fps   | <b>Casing</b>                    | IP66- and NEMA 4X-rated metal casing (aluminum) and ABS<br>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<br>120 AC, 230 V AC:<br>Max.: 55 W<br>Typical: 40 W  |
| <b>Lens</b>                              | 35 mm, F1.2<br>Horizontal angle of view: 10.7°  | <b>Connectors</b>                | RJ45 10BASE-T/100BASE-TX Network connector<br>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<br>Support for recording to dedicated network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>   |
| <b>Pan/Tilt/Zoom</b>                     | No zoom<br>Preset positions, Guard tour, Driver selection, Control queue<br>Pan: Continuous<br>Tilt: +90° to -40°<br>Pan speed: 0.02°/s to 100°/s<br>Tilt speed: 0.02°/s to 40°/s<br>Preset accuracy: 0.02°   | <b>Operating conditions</b>      | -40 °C to 55 °C (-40 °F to 131 °F)<br>Humidity 10 - 100% RH (condensing)<br>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<br>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<br>230 V AC: KCC KN22 Class A, KN24<br><b>Environment</b><br>IEC/EN 60529 IP66, NEMA 250 4x<br><b>Safety</b><br>IEC/EN 60950-1, IEC/EN 60950-22<br>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<br>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<br>AXIS T95A64 Corner Bracket<br>AXIS T95A67 Pole Bracket<br>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><br>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<br>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<br>Notification: email, HTTP, HTTPS and TCP<br>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)