AXIS Q1942-E PT Mount Thermal Network Camera
Wide VGA thermal coverage with pan/tilt flexibility

The bullet-style, outdoor-ready AXIS Q1942-E PT Mount offers the possibility of mounting the camera on a pan/tilt motor to increase installation flexibility. The thermal resolution of 640x480 and a range of lenses make it easy to detect and verify people, objects and incidents from pitch dark areas to a sunlit parking lot. A noise filter gives improved thermal image contrast while keeping noise levels low, without adding blur and ghost effects. AXIS Q1942-E PT Mount withstands harsh weather conditions and has a built-in heater for the window. Additionally, it offers Power over Ethernet and has a microSD card slot.

> **VGA thermal imaging**
> **PT mount-ready**
> **Powerful performance for video analytics**
> **Electronic Image Stabilization**
> **Axis Zipstream**

AXIS Q1942-E PT Mount Thermal Network Camera

Models	AXIS Q1942-E PT Mount 10 mm, 19 mm, 35 mm, 60 mm

Camera

Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm
Lens	Athermalized **10 mm** Horizontal field of view: 63°, F1.24 Near focus distance: 2.8 m (9.2 ft) **19 mm** Horizontal field of view: 31°, F1.23 Near focus distance: 9.2 m (30 ft) **35 mm** Horizontal field of view: 17°, F1.20 Near focus distance: 33 m (108 ft) **60 mm** Horizontal field of view: 10°, F1.25 Near focus distance: 91 m (300 ft)
Sensitivity	NETD < 50 mK
Pan/Tilt	Preset positions, guard tour, driver selection, control queue

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).
Frame rate	Up to 8.3 fps and 30 fps
Video streaming	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, privacy mask, mirroring of images, electronic image stabilization, multiple palettes Rotation: 0°, 180°

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile G and ONVIF® Profile S specification at onvif.org
Event triggers	Analytics, temperature, external input, time scheduled, edge storage events PTZ preset
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share, email Notification: email, HTTP, HTTPS and TCP, SNMP trap External output activation Video recording to edge storage Pre- and post-alarm video buffering PTZ preset, guard tour, overlay text
Data streaming	Event data
Built-in installation aids	Pixel counter

Analytics

Applications	**Included** AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, shock detection **Supported** AXIS Perimeter Defender

Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

General

Casing	IP66- and NEMA 4X-rated Metal casing (aluminum) with integrated dehumidifying membrane and a germanium window Color: White NCS S 1002-B
Sustainability	PVC free
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.8 W, max 11.8 W 8–28 V DC, typical 6.6 W, max 13 W 20–24 V AC (50/60 Hz), typical 11 VA, max 19 VA Power supply not included.
Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for power RS485/RS422 for pan/tilt control
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 axis.com
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing) De-icing capability, compliant to MIL-STD-810F Method 521.3
Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F)
Approvals	**EMC** EN 55022 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR22 Class A KCC KN32 Class A, KN35 **Safety** EN 62368-1 **Environment** EN 50581, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6 Class 4M4, IEC 60068-2-27, IEC 60068-2-52, IEC 60721-3-4 Class 4K3, MIL-STD-810F Method 521.3 IEC 60529 IP66 **Network** NIST SP500-267
Dimensions	309 x 105 mm (12 3/16 x 4 1/8 in)
Weight	**10/19 mm:** 1800 g (4.0 lb) **Mount 35 mm:** 1900 g (4.2 lb) **Mount 60 mm:** 2000 g (4.4 lb)
Included accessories	Torx® T20 screw driver, Terminal block connector Installation Guide, Windows® decoder 1-user license
Optional accessories	Axis PoE Midspans, AXIS T8129 PoE Extender, AXIS T8640 PoE+ over Coax Adapter Kit, AXIS T8604 Media Converter Switch AXIS T8415 Wireless Installation Tool AXIS T8310 Control Board For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see 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:

axis.com/environmental-responsibility

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