

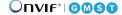
## **AXIS Q1951-E Thermal Camera**

## Optimal image contrast for video analytics

AXIS Q1951-E delivers a high-quality thermal video stream for reliable detection 24/7. Ideal for perimeter security, it includes AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard for proactive surveillance. With a powerful analytics platform, it's easy to add third-party analytics. Built-in cybersecurity features prevent unauthorized access and safeguard your system. For instance, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis products on your network. AXIS Q1951-E also includes a Trusted Platform Module (TPM) that is FIPS 140-2 level 2 certified. Furthermore, this halogen-free, compact camera is robust and suitable even for harsh conditions.

- > Reliable detection 24/7
- > Built-in cybersecurity features
- > Compact, robust, halogen-free design
- > Support for AI-based analytics
- > Electronic image stabilization (EIS)





## AXIS Q1951-E Thermal Camera

Models	AXIS Q1951-E 7 mm/13 mm/19 mm/35 mm	Built-in installation aids	Pixel counter	
Camera		Analytics		
Image sensor	Uncooled microbolometer 384x288 pixels, pixel size: 17 µm. Spectral range: 8-14 µm	Andrytics Applications	Included	
Lens	Athermalized 7 mm Horizontal field of view: 55°, F1.18 Near focus distance: 1.3 m (4.3 ft) 13 mm Horizontal field of view: 28°, F1.0 Near focus distance: 4 m (13 ft)		AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Perimeter Defender with Al-based functionality Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
	19 mm	Cybersecurity		
Sensitivity	Horizontal field of view: 19.4°, F1.23 Near focus distance: 8.5 m (28 ft) 35 mm Horizontal field of view: 10.5°, F1.14 Near focus distance: 33 m (108 ft)  NETD 40 mK @25C, F1.0	Edge security	Software: Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL	
System on chip	(SoC)		6+), Axis device ID, secure keystore, signed video, secure boot	
Model	ARTPEC-7	Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509	
Memory	1024 MB RAM, 512 MB Flash		Certificate PKI, IP address filtering	
Video		Documentation	AXIS OS Hardening Guide	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main, and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG		Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM)	
Resolution	Sensor is 384x288. Image can be scaled up to 768x576.		To download documents, go to axis.com/support/cybersecu- rity/resources	
Frame rate	Up to 8.3 fps and 30 fps		To read more about Axis cybersecurity support, go to	
Video streaming	Multiple, individually configurable streams in H.264, H.265, and		axis.com/cybersecurity	
	Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator	General Casing	IP66/IP67-, NEMA 4X-, and IK10-rated <sup>a</sup> casing Polycarbonate blend, aluminum and a germanium window Color: white NCS S 1002-B	
Image settings	Contrast, brightness, sharpness, exposure zones, compression,	Sustainability	PVC free, BFR/CFR free	
image sectings	rotation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask, electronic image stabilization	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.96 W, max 12.95 W 12–28 V DC, typical 4.92 W, max 12.95 W	
Audio		Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T	
Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology		3.5 mm mic/line in Terminal block for 1 supervised alarm input and 1 output (12 V	
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	-54	DC output, max. load 25 mA) DC input, terminal block	
Audio input/output	External microphone input or line input, digital audio input, network speaker pairing	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS)	
Network			For SD card and NAS recommendations see axis.com	
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UND/ICD/ITS), Visit Land Land Land Company (7-m) (RFC 3164/5424, UND/ICD/ITS), Visit Land Land Land Company (7-m) (1-m) (	Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F)  Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)  Humidity 10–100% RH (condensing)  De-icing capability, compliant to MIL-STD-810H Method 521.4	
Curatoma intermed	UDP/TCP/TLS), Link-Local address (ZeroConf)	Storage	-40 °C to 65 °C (-40 °F to 149 °F)	
System integra		conditions	Humidity 5-95% RH (non-condensing)	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org	Approvals  EMC  CISPR 24, CISPR 35, EN 50121-4, EN 55024, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4 KC KN32 Class A, KC KN35, RCM AS/NZS CISPR32 Class A,		
Onscreen controls	Heater, electronic image stabilization		VCCI Class A Safety	
Event conditions	Analytics, operating temperature, supervised external input, edge storage events, digital audio, virtual inputs through API		IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC/EN 60068-2-14, IEC 60068-2-2,	
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, play audio clip, I/O, MQTT		IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10 <sup>a</sup> , ISO 21207 Method B, MIL-STD-810H (Method 501.7, 502.7, 505.7, 506.6, 507.6, 509.7, 510.7, 514.8, 516.8, 521.4), NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267	
Data streaming	Event data	Dimensions	Ø132 x 272 mm (Ø5.2 x 10.7 in)	
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Weight	1400 g (3.1 lb)		
Included accessories	Installation guide, Windows® decoder 1-user license, Resistorx® L-key, wall and ceiling mount bracket, terminal block connectors, connector guard		
Optional accessories	AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans 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, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty 5-year warranty, see axis.com/warranty	
Export control	This product is subject to export control regulations, and you should always comply with all applicable national and international export or re-export control regulations.

a. Excluding front window

