

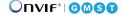
AXIS Q1951-E Thermal Camera

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		Pre- and post-alarm video or image buffering for recording or
Camera			upload Notification: email, HTTP, HTTPS, TCP and SNMP trap
Image sensor	Uncooled microbolometer 384x288 pixels, pixel size: 17 μ m. Spectral range: 8–14 μ m	Data strooming	Overlay text, play audio clip, I/O, MQTT Event data
Lens	Athermalized 7 mm	Data streaming Built-in	Pixel counter
	Horizontal field of view: 55°, F1.18	installation aids	
	Near focus distance: 1.3 m (4.3 ft) 13 mm	Analytics	
	Horizontal field of view: 28°, F1.0 Near focus distance: 4 m (13 ft) 19 mm 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)	Applications	Included 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
Sensitivity	NETD 40 mK @25C, F1.0	General	
System on chip		Casing	IP66/IP67-, NEMA 4X-, and IK10-rated ^b casing
Model	ARTPEC-7		Polycarbonate blend and aluminum Color: white NCS S 1002-B
Memory	1024 MB RAM, 512 MB Flash	Sustainability	PVC free, BFR/CFR free
Video		Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main, and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile	. one.	Typical 4.96 W, max 12.95 W 12–28 V DC, typical 4.92 W, max 12.95 W
	Motion JPEG	Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T
Resolution	Sensor is 384x288. Image can be scaled up to 768x576.		3.5 mm mic/line in Terminal block for 1 supervised alarm input and 1 output (12 V
Frame rate	Up to 8.3 fps and 30 fps		DC output, max. load 25 mA)
Video streaming	Multiple, individually configurable streams in H.264, H.265, and		DC input, terminal block
	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	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Image settings	Contrast, brightness, sharpness, exposure zones, compression, rotation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask, electronic image stabilization	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
Audio Audio streaming	One-way, two-way audio via edge-to-edge technology	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
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	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, VCCI Class A
Audio input/output	External microphone input or line input, simplex, two-way audio via edge-to-edge technology, ring power, automatic gain control		
Network			Safety
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, secure boot, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)		IEC/EN/UL 60950-22, IEC/EN/UL 62368-1 Environment IEC 60068-2-1, IEC/EN 60068-2-14, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62062 IK10 ^b , 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
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SOCKS, SSH,		
	LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)	Dimensions	Ø132 x 272 mm (Ø5.2 x 10.7 in)
System integra		Weight	1400 g (3.1 lb)
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> One-click cloud connection ONVIF® Profile G, ONVIF® Profile B, ONVIF® Profile S, and	Included accessories	Installation guide, Windows® decoder 1-user license, Resistorx® L-key, wall and ceiling mount bracket, terminal block connectors connector guard
Onscreen	ONVIE® Profile T, specification at onvif.org Heater, electronic image stabilization	Optional accessories	AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount AXIS T94F01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans
controls	<u>-</u>		For more accessories, see axis.com
	storage events, digital audio, virtual inputs through API	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email	JOILWAIC	ac anscompting

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Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese		
Warranty 5-year warranty, see axis.com/warranty			
Export control	The 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. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).
 b. Excluding front window

Environmental responsibility: axis.com/environmental-responsibility

