

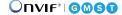
AXIS Q1951-E Thermal Camera

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 µm. Spectral range: 8-14 µm		Overlay text, play audio clip, I/O, MQTT
Lens	Athermalized	Data streaming	Event data
LCIIS	7 mm Horizontal field of view: 55°, F1.18	Built-in installation aids	Pixel counter
	Near focus distance: 1.3 m (4.3 ft)	Analytics	
	13 mm 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	(SoC)	Casing	IP66/IP67-, NEMA 4X-, and IK10-rated ^b casing Polycarbonate blend and aluminum
Model	ARTPEC-7		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 Motion JPEG		Typical 4.96 W, max 12.95 W 12–28 V DC, typical 4.92 W, max 12.95 W
Resolution	Sensor is 384x288. Image can be scaled up to 768x576.	Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T 3.5 mm mic/line in
Frame rate	Up to 8.3 fps and 30 fps		Terminal block for 1 supervised alarm input and 1 output (12 V
Video streaming	Multiple, individually configurable streams in H.264, H.265, and		DC output, max. load 25 mA) DC input, terminal block
video streaming	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	Audio in, simplex, two-way audio via edge-to-edge technology	Storage	-40 °C to 65 °C (-40 °F to 149 °F)
Audio streaming Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726	conditions	Humidity 5-95% RH (non-condensing)
Addition Circumity	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 Safety 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, IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 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
Audio input/output	External microphone input or line input, digital audio input, network speaker pairing		
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, secure boot, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)		
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 integration		Weight	1400 g (3.1 lb)
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 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	ONVIF® Profile T, specification at <i>onvif.org</i> Heater, electronic image stabilization	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
controls Event conditions	Analytics, operating temperature, supervised external input, edge	101	For more accessories, see axis.com
Event conditions Event actions	storage events, digital audio, virtual inputs through API Record video: SD card and network share	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
	Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email		

T10144041/EN/M9.2/2206 www.axis.com

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

