

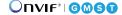
AXIS Q1951-E Thermal Camera

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	Data atmosphis	Overlay text, play audio clip, I/O, MQTT
Lens	Athermalized	Data streaming	Event data
	7 mm	Built-in installation aids	Pixel counter
	Horizontal field of view: 55°, F1.18 Near focus distance: 1.3 m (4.3 ft)		
	13 mm	Analytics	
	Horizontal field of view: 28°, F1.0	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard
	Near focus distance: 4 m (13 ft)		AXIS Video Motion Detection, active tampering alarm, audio
	19 mm Horizontal field of view: 19.4°, F1.23		detection
	Near focus distance: 8.5 m (28 ft)		Supported AXIS Perimeter Defender with AI-based functionality
	35 mm		Support for AXIS Camera Application Platform enabling
	Horizontal field of view: 10.5°, F1.14 Near focus distance: 33 m (108 ft)		installation of third-party applications, see axis.com/acap
Sensitivity	NETD 40 mK @25C, F1.0	Cybersecurity	
•	<u> </u>	Edge security	Software: Signed firmware, brute force delay protection, digest
System on chip		,	authentication, password protection, AES-XTS-Plain64 256bit
Model	ARTPEC-7		SD card encryption
Memory	1024 MB RAM, 512 MB Flash		Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL
Video			6+), Axis device ID, secure keystore, signed video, secure boot
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main, and High Profiles	Network security	IEEE 802.1X (EAP-TLS) ^a , IEEE 802.1AR, HTTPS/HSTS ^a , TLS
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	•	v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Resolution	Sensor is 384x288. Image can be scaled up to 768x576.	Documentation	AXIS OS Hardening Guide
Frame rate	Up to 8.3 fps and 30 fps		Axis Vulnerability Management Policy Axis Security Development Model
Video streaming	Multiple, individually configurable streams in H.264, H.265, and		AXIS OS Software Bill of Material (SBOM)
	Motion JPEG Axis Zipstream technology in H.264 and H.265		To download documents, go to axis.com/support/cybersecu-
	Controllable frame rate and bandwidth		rity/resources
	VBR/ABR/MBR H.264/H.265		To read more about Axis cybersecurity support, go to axis.com/cybersecurity
	Video streaming indicator	General	unistennyeyoeiseeunty
lmage settings	Contrast, brightness, sharpness, exposure zones, compression, rotation: auto, 0°, 90°, 180°, 270° including Corridor Format,	Casing	IP66/IP67-, NEMA 4X-, and IK10-rated ^b casing
	mirroring, dynamic text and image overlay, polygon privacy mask,		Polycarbonate blend and aluminum
	electronic image stabilization		Color: white NCS S 1002-B
Audio		Sustainability	PVC free, BFR/CFR free
Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726		Typical 4.96 W, max 12.95 W
	ADPCM 8 kHz, Opus 8/16/48 kHz		12-28 V DC, typical 4.92 W, max 12.95 W
	Configurable bit rate	Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T 3.5 mm mic/line in
Audio input/output	External microphone input or line input, digital audio input, network speaker pairing		Terminal block for 1 supervised alarm input and 1 output (12 V
	network speaker pairing		DC output, max. load 25 mA)
Network	ID II CILL: LITTEGA .: IEEE 0004 (EAD TIC)3		DC input, terminal block
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, user access log, centralized certificate	Storage	Support for microSD/microSDHC/microSDXC card
	management, signed video, Axis Edge Vault, Axis device ID,		Support for SD card encryption (AES-XTS-Plain64 256bit)
	secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)		Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Network	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPSa, HTTP/2, TLSa,	Operating	-40 °C to 60 °C (-40 °F to 140 °F)
protocols	QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®,	conditions	Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C
	SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6,		(165 °F)
	SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424,		Humidity 10–100% RH (condensing) Decision conshibity compliant to MIL STD 910H Method 521.4
	UDP/TCP/TLS), Link-Local address (ZeroConf)	Ctorogs	De-icing capability, compliant to MIL-STD-810H Method 521.4
System integra	rtion	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Application	Open API for software integration, including VAPIX® and	Approvals	EMC
Programming Interface	AXIS Camera Application Platform; specifications at axis.com	, 144101013	CISPR 24, CISPR 35, EN 50121-4, EN 55024,
interrace	One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and		EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2,
	ONVIF® Profile T, specification at <i>onvif.org</i>		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	Heater, electronic image stabilization		VCCI Class A
controls	-		Safety
Event conditions	Analytics, operating temperature, supervised external input, edge		IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252
	storage events, digital audio, virtual inputs through API		Environment IEC 60068-2-1, IEC/EN 60068-2-14, IEC 60068-2-2,
Event actions	Record video: SD card and network share		IEC 60068-2-27, IEC 60068-2-6, IEC/EN 60068-2-78,
	Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email		IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10 ^b , ISO 21207 Method
	Silare and Cilian		B, MIL-STD-810H (Method 501.7, 502.7, 505.7, 506.6, 507.6,

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	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
Dimensions	Ø132 x 272 mm (Ø5.2 x 10.7 in)
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. This product inc OpenSSL Toolkit	ludes software developed by the OpenSSL Project for use in the t. (openssl.org), and cryptographic software written by Eric Young .com). window

