AXIS M1075-L Box Camera
Fully featured HDTV 1080p with deep learning

AXIS M1075-L offers excellent two-way audio communication and an IR-corrected lens to deliver professional-quality video both day-and-night. It includes a tally LED to indicate video streaming or recording. And, a passive infrared (PIR) sensor can detect movement even in total darkness. This compact camera includes a deep learning processing unit enabling advanced features and powerful analytics based on deep learning on the edge. Built-in cybersecurity features prevent unauthorized access and safeguard your system. Furthermore, it includes a HDMI port and with support for Session Initiation Protocol (SIP), it's easy to integrate with IP-systems. Optional wireless kit available.

> **Day-and-night with IR illumination**

> **Built-in privacy features**

> **PIR sensor for motion detection**

> **Two-way audio communication**

> **HDMI output**

ONVIF® | GMST

AXIS M1075-L Box Camera

Camera

Image sensor	1/2.9" progressive scan RGB CMOS
Lens	Fixed focal length, 3.16 mm, F2.0 Horizontal field of view: 103° Vertical field of view: 55° Fixed iris, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**Color:** 0.18 lux at 50 IRE, F2.0 **B/W:** 0.04 lux at 50 IRE, F2.0 0 lux with IR illumination on
Shutter speed	1/19000 s to 1/5 s

System on chip (SoC)

Model	CV25
Memory	1024 MB RAM, 512 MB Flash
Compute capabilities	Deep learning processing unit (DLPU)

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	1280x960 to 320x240 (4:3) 1920x1080 to 640x360 (16:9)
Frame rate	Up to 25/30 fps (50/60 Hz) with H.264 and H.265[a] in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265
Image settings	Saturation, contrast, brightness, sharpness, WDR: up to 120 dB depending on the scene, white balance, day/night threshold, exposure mode, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, dynamic overlay, polygon privacy masks

Audio

Audio streaming	Two-way, full duplex Echo cancellation and voice enhancer
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
Audio input/output	Built-in microphones (can be disabled), built-in speaker 74 dB-SPL (at 1 m / 39 in)

Network

Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, NTP, NTS, RTSP, RTCP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SSH, SIP, LLDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

System integration

Application Programming Interface	Open API for software integration, including VAPIX® metadata 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* Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.
Onscreen controls	Privacy masks Media clip IR illumination
Event conditions	Audio: audio clip playing, audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, live stream active, network lost, new IP address, PIR sensor, system ready, within operating temperature Edge storage: recording ongoing, storage disruption, storage health issues detected

I/O: digital input is active, digital output is active, manual trigger, virtual input is active
MQTT: subscribe
Scheduled and recurring: schedule
Video: average bitrate degradation, day-night mode, tampering

Event actions	Audio clips: play, stop Day-night mode: use day-night mode while the rule is active I/O: toggle I/O once, toggle I/O while the rule is active Illumination: use lights, use lights while the rule is active Images: FTP, HTTP, HTTPS, SFTP, email and network share MQTT: publish Notification: HTTP, HTTPS, TCP and email Overlay text: use overlay text, use overlay text while the rule is active Recordings: record video, record video while the rule is active SNMP trap messages: send, send while the rule is active Status LED: flash status LED, flash status LED while the rule is active Video clips: FTP, HTTP, HTTPS, SFTP, email and network share WDR mode: set WDR mode, set WDR mode while the rule is active

Analytics

AXIS Object Analytics	**Object classes:** humans, vehicles (types: cars, buses, trucks, bikes) **Scenarios:** line crossing, object in area, crossline counting, occupancy in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Metadata	**Object data:** Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates **Attributes:** Vehicle color, upper/lower clothing color, confidence, position **Event data:** Producer reference, scenarios, trigger conditions
Applications	**Included** AXIS Object Analytics, AXIS Video Motion Detection AXIS Live Privacy Shield **Supported** Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

Approvals

EMC	EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2 **Australia/New Zealand:** RCM AS/NZS CISPR 32 Class A **Canada:** ICES-3(A)/NMB-3(A) **Japan:** VCCI Class A **Korea:** KS C 9832 Class A, KS C 9835 **USA:** FCC Part 15 Subpart B Class A
Safety	CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC 62471 (exempt), IS 13252
Environment	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78
Network	NIST SP500-267
Cybersecurity	ETSI EN 303 645

Cybersecurity

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 Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall With optional wireless dongle: WPA/WPA2-PSK, WPA/WPA2-Enterprise (EAP-TLS, EAP-PEAP/MSCHAPv2)
Documentation	*AXIS OS Hardening Guide* *Axis Vulnerability Management Policy*

Axis Security Development Model
AXIS OS Software Bill of Material (SBOM)
To download documents, go to *axis.com/support/cybersecurity/resources*
To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

General

Casing	Aluminum and plastic casing Color: white NCS S 1002-B
Sustainability	PVC free, 70% recycled plastics
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5.4 W, max 12.95 W
Connectors	Network: Shielded RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm terminal block for 1 alarm input and 1 output (12 V DC output, max load 25 mA) USB Micro-HDMI
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LED Range of reach 18 m (59 ft) or more depending on the scene
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) For SD card and NAS recommendations see *axis.com*
PIR sensor	Passive infrared (PIR) motion sensor Range: 7 m (23 ft)

Operating conditions	0 °C to 35 °C (32 °F to 95 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Dimensions	105 x 60 x 93 mm (4.1 x 2.4 x 3.7 in)
Weight	153 g (0.34 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount, terminal block connector
Optional accessories	AXIS TM1901 Wireless Kit AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards 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*

a. *Reduced frame rate in Motion JPEG*

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