

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**



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.265¹ 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, HTTPS², HTTP/2, TLS², QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, NTP, PTP, 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)

1. Reduced frame rate in Motion JPEG

2. 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).

System integration

Application Programming Interface

Open API for software integration, including VAPIX®, metadata and AXIS Camera Application Platform (ACAP); specifications at axis.com/developer-community.

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

Applications

Included

AXIS Object Analytics, AXIS Scene Metadata, 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

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

Other features: triggered objects visualized with color-coded bounding boxes

Polygon include/exclude areas

Perspective configuration

ONVIF Motion Alarm event

AXIS Scene Metadata

Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates

Object attributes: vehicle color, upper/lower clothing color, confidence, position

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, BSI IT Security Label

Cybersecurity

Edge security

Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/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)³, IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS³, TLS v1.2/v1.3³, 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, supported USB class: Vendor specific
Micro-HDMI

IR illumination

Optimized IR 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 systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' 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

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Warranty

5-year warranty, see axis.com/warranty