AXIS M1055-L Box Camera

Cost-effective HDTV 1080p with deep learning

Offering an IR-corrected lens, this compact, easy-to-install camera delivers professional-quality video both day-and-night. It features a tally LED to indicate video streaming or recording. And AXIS Live Privacy Shield makes it easy to remotely monitor activities while protecting privacy. A deep learning processing unit enables advanced features and powerful analytics based on deep learning on the edge. Additionally, 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

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

> **Built-in privacy features**

> **AXIS Object Analytics preinstalled**

> **I/O port with 1 input/1 output**

AXIS M1055-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

Network

Security	Password protection, IP address filtering, HTTPS[b] encryption, IEEE 802.1x (EAP-TLS)[b] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4 certified hardware protection of cryptographic operations, certificates and keys)
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[b], HTTP/2, TLS[b], 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, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SSH, LLDP, MQTT v3.1.1, Syslog, 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*
Onscreen controls	Privacy masks Media clip IR illumination
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, live stream active, network lost, new IP address, 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	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) **Trigger conditions:** line crossing, object 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 Confidence, position **Event data:** Producer reference, scenarios, trigger conditions
Applications	**Included** AXIS Object Analytics, AXIS Video Motion Detection **Supported** AXIS People Counter, AXIS Live Privacy Shield Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

General

Casing	Aluminum and plastic casing Color: white NCS S 1002-B
Sustainability	PVC and BFR/CFR free, 70% recycled plastics
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 2.2 W, max 4.3 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)
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*
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)
Approvals	**EMC** 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), KS C 9832 Class A, KS C 9835, RCM AS/NZS CISPR 32 Class A, VCCI Class A **Safety** CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC 62471 (exempt) **Network** NIST SP500-267
Dimensions	105 x 60 x 93 mm (4.1 x 2.4 x 3.7 in)
Weight	137 g (0.30 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount, terminal block connector
Optional accessories	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
Warranty	5-year warranty, see *axis.com/warranty*

a. *Reduced frame rate in Motion JPEG*
b. *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).*

Environmental responsibility:

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