

# 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](#)



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<b>Camera</b>		<b>Event conditions</b>	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
<b>Image sensor</b>	1/2.9" progressive scan RGB CMOS	<b>Event actions</b>	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
<b>Lens</b>	Fixed focal length, 3.16 mm, F2.0 Horizontal field of view: 103° Vertical field of view: 55° Fixed iris, IR corrected	<b>Analytics</b>	<b>AXIS Object Analytics</b> 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
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Metadata</b>	<b>Object data:</b> Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position <b>Event data:</b> Producer reference, scenarios, trigger conditions
<b>Minimum illumination</b>	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	<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Video Motion Detection <b>Supported</b> AXIS People Counter, AXIS Live Privacy Shield Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Shutter speed</b>	1/19000 s to 1/5 s	<b>General</b>	<b>Casing</b> Aluminum and plastic casing Color: white NCS S 1002-B
<b>System on chip (SoC)</b>		<b>Sustainability</b>	PVC and BFR/CFR free, 70% recycled plastics
<b>Model</b>	CV25	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5.4 W, max 12.95 W
<b>Memory</b>	1024 MB RAM, 512 MB Flash	<b>Connectors</b>	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
<b>Compute capabilities</b>	Deep learning processing unit (DLPU)	<b>IR illumination</b>	OptimizedIR with power-efficient, long-life 850 nm IR LED Range of reach 18 m (59 ft) or more depending on the scene
<b>Video</b>		<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>PIR sensor</b>	Passive infrared (PIR) motion sensor Range: 7 m (23 ft)
<b>Resolution</b>	1280x960 to 320x240 (4:3) 1920x1080 to 640x360 (16:9)	<b>Operating conditions</b>	0 °C to 35 °C (32 °F to 95 °F) Humidity 10–85% RH (non-condensing)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) with H.264 and H.265 <sup>a</sup> in all resolutions	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Video streaming</b>	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		
<b>Image settings</b>	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		
<b>Audio</b>			
<b>Audio streaming</b>	Two-way, full duplex Echo cancellation and voice enhancer		
<b>Audio encoding</b>	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz		
<b>Audio input/output</b>	Built-in microphones (can be disabled), built-in speaker 74 dB-SPL (at 1 m / 39 in)		
<b>Network</b>			
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>b</sup> 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)		
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>b</sup> , HTTP/2, TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>c</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, NTP, NTS, RTSP, RTCP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SSH, SIP, LLDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		
<b>System integration</b>			
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> metadata and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX.		
<b>Onscreen controls</b>	Privacy masks Media clip IR illumination		

<b>Approvals</b>	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
<b>Dimensions</b>	105 x 60 x 93 mm (4.1 x 2.4 x 3.7 in)
<b>Weight</b>	153 g (0.34 lb)
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, wall mount, terminal block connector
<b>Optional accessories</b>	AXIS TM1901 Wireless Kit AXIS T8415 Wireless Installation Tool

AXIS Surveillance Cards  
For more accessories, see [axis.com](http://axis.com)

<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

- 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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