

# 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

<b>Camera</b>	
<b>Image sensor</b>	1/2.9" progressive scan RGB CMOS
<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>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	<b>Color:</b> 0.18 lux at 50 IRE, F2.0 <b>B/W:</b> 0.04 lux at 50 IRE, F2.0 0 lux with IR illumination on
<b>Shutter speed</b>	1/19000 s to 1/5 s
<b>System on chip (SoC)</b>	
<b>Model</b>	CV25
<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Compute capabilities</b>	Deep learning processing unit (DLPU)
<b>Video</b>	
<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>Resolution</b>	1280x960 to 320x240 (4:3) 1920x1080 to 640x360 (16:9)
<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>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>Network protocols</b>	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, RTPSP, 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)
<b>System integration</b>	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® metadata and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specification at <a href="https://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>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>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
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<b>Analytics</b>	
<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection AXIS Live Privacy Shield <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>

<b>AXIS Object Analytics</b>	<b>Object classes:</b> humans, vehicles (types: cars, buses, trucks, bikes) <b>Scenarios:</b> line crossing, object in area, crossline counting, occupancy in area Up to 10 scenarios <b>Other features:</b> triggered objects visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
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<b>AXIS Scene Metadata</b>	<b>Object classes:</b> humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates <b>Object attributes:</b> vehicle color, upper/lower clothing color, confidence, position
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<b>Approvals</b>	
<b>EMC</b>	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

<b>Safety</b>	CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC 62471 (exempt), IS 13252
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<b>Environment</b>	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78
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<b>Network</b>	NIST SP500-267
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<b>Cybersecurity</b>	ETSI EN 303 645
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<b>Cybersecurity</b>	
<b>Edge security</b>	<b>Software:</b> Signed OS, 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 <b>Hardware:</b> 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)

<b>Network security</b>	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)
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<b>Documentation</b>	AXIS OS Hardening Guide
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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](https://axis.com/support/cybersecurity/resources)  
 To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

General	
<b>Casing</b>	Aluminum and plastic casing Color: white NCS S 1002-B
<b>Sustainability</b>	PVC free, 70% recycled plastics
<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>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>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>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="https://axis.com">axis.com</a>
<b>PIR sensor</b>	Passive infrared (PIR) motion sensor

	Range: 7 m (23 ft)
<b>Operating conditions</b>	0 °C to 35 °C (32 °F to 95 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<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 <a href="https://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>

a. Reduced frame rate in Motion JPEG