

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](#)



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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	
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, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SSH, 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
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) Features: line crossing, object in area, crossline counting ^{BETA} , occupancy in area ^{BETA} 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 Live Privacy Shield Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, 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), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, IP address filtering	
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 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	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
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), IS 13252 Network NIST SP500-267	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Dimensions	105 x 60 x 93 mm (4.1 x 2.4 x 3.7 in)	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Weight	137 g (0.30 lb)	Warranty	5-year warranty, see axis.com/warranty
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		

a. *Reduced frame rate in Motion JPEG*