

# 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<br>Horizontal field of view: 103°<br>Vertical field of view: 55°<br>Fixed iris, IR corrected   |
| Day and night                     | Automatically removable infrared-cut filter  |
| Minimum illumination              | Color: 0.18 lux at 50 IRE, F2.0<br>B/W: 0.04 lux at 50 IRE, F2.0<br>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<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG  |
| Resolution                        | 1280x960 to 320x240 (4:3)<br>1920x1080 to 640x360 (16:9)   |
| Frame rate                        | Up to 25/30 fps (50/60 Hz) with H.264 and H.265 <sup>a</sup> in all resolutions  |
| Video streaming                   | Multiple, individually configurable streams in H.264, H.265, and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>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 <sup>®</sup> , 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, Syslog, Link-Local address (ZeroConf)  |
| System integration                |  |
| Application Programming Interface | Open API for software integration, including VAPIX <sup>®</sup> metadata and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a><br>One-click cloud connection<br>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="https://onvif.org">onvif.org</a>   |
| Onscreen controls                 | Privacy masks<br>Media clip<br>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<br>Edge storage: recording ongoing, storage disruption, storage health issues detected<br>I/O: digital input is active, digital output is active, manual trigger, virtual input is active<br>MQTT: subscribe<br>Scheduled and recurring: schedule<br>Video: average bitrate degradation, day-night mode, tampering |
| Event actions                     | Day-night mode: use day-night mode while the rule is active<br>I/O: toggle I/O once, toggle I/O while the rule is active<br>Illumination: use lights, use lights while the rule is active<br>Images: FTP, HTTP, HTTPS, SFTP, email and network share<br>MQTT: publish<br>Notification: HTTP, HTTPS, TCP and email<br>Overlay text: use overlay text, use overlay text while the rule is active<br>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)<br>Trigger conditions: line crossing, object in area<br>Up to 10 scenarios<br>Metadata visualized with color-coded bounding boxes<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event  |
| Metadata              | Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates<br>Confidence, position<br>Event data: Producer reference, scenarios, trigger conditions  |
| Applications          | Included<br>AXIS Object Analytics, AXIS Video Motion Detection<br>Supported<br>AXIS Live Privacy Shield<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>  |
| Cybersecurity         |   |
| Edge security         | Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption<br>Hardware: Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4+ certified hardware protection of cryptographic operations and keys)   |
| 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         | <i>AXIS OS Hardening Guide</i><br><i>Axis Vulnerability Management Policy</i><br><i>Axis Security Development Model</i><br>To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a><br>To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a> |
| General               |   |
| Casing                | Aluminum and plastic casing<br>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<br>Typical 2.2 W, max 4.3 W   |
| Connectors            | Network: Shielded RJ45 10BASE-T/100BASE-TX PoE<br>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<br>Range of reach 18 m (59 ft) or more depending on the scene  |
| Storage               | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>  |
| Operating conditions  | 0 °C to 35 °C (32 °F to 95 °F)<br>Humidity 10–85% RH (non-condensing)   |
| Storage conditions    | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)  |
| Approvals             | EMC<br>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<br>Safety<br>CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC 62471 (exempt)<br>Network<br>NIST SP500-267  |

|                                  |  |                  |   |
|----------------------------------|--|------------------|---|
| <b>Dimensions</b>                | 105 x 60 x 93 mm (4.1 x 2.4 x 3.7 in)  | <b>Languages</b> | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese |
| <b>Weight</b>                    | 137 g (0.30 lb)  | <b>Warranty</b>  | 5-year warranty, see <a href="https://www.axis.com/warranty">axis.com/warranty</a>  |
| <b>Included accessories</b>      | Installation guide, Windows® decoder 1-user license, wall mount, terminal block connector  |                  |   |
| <b>Optional accessories</b>      | AXIS T8415 Wireless Installation Tool<br>AXIS Surveillance Cards<br>For more accessories, see <a href="https://www.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://www.axis.com/vms">axis.com/vms</a> |                  |   |

a. *Reduced frame rate in Motion JPEG*

Environmental responsibility:

[axis.com/environmental-responsibility](https://www.axis.com/environmental-responsibility)