AXIS M1137-E Mk II Box Camera
Outdoor-ready 5 MP affordable surveillance

This affordable, outdoor-ready camera is easy to install and operate. With PoE and redundant DC power, it ensures your data is safeguarded in the event of a power outage. Featuring Axis Lightfinder and Axis Forensic WDR, it delivers true colors and great details in challenging light or near darkness. Plus, audio input lets you record video with sound. The camera's CS-mount enables flexibility for exchangeable lenses. Thanks to AXIS Object Analytics you can detect and classify humans and vehicles. Furthermore, it comes enclosed in an IP66-, IK10-, and NEMA 4X-rated casing to protect against water, corrosion, dust, and impacts.

> **Compact and flexible design**

> **Lightfinder and Forensic WDR**

> **Audio input**

> **AXIS Object Analytics**

> **Remote zoom and focus with i-CS**

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Camera

Image sensor	Progressive scan RGB CMOS 1/2.7"
Lens	**M1137–E Mk II** Varifocal, IR corrected, CS-mount, DC-iris, 2.8–13 mm 5 MP: Horizontal field of view: 112°–24° 4 MP: Horizontal field of view: 115°–25° 5 MP: Vertical field of view: 82°–19° 4 MP: Vertical field of view: 61°–14° Minimum focus distance: 0.8 m (2.6 ft) **M1137-E Mk II i-CS** Varifocal, IR corrected i-CS lens, remote zoom and focus, P-iris control, 3.5–10 mm 5 MP: Horizontal field of view: 99°–31° 4 MP: Horizontal field of view: 103°–33° 5 MP: Vertical field of view: 71°–24° 4 MP: Vertical field of view: 54°–18° Minimum focus distance: 0.8 m (2.6 ft)
Day and night	Automatically removable infrared-cut filter
Minimum illumination	HDTV 5 MP 25/30 fps with Forensic WDR and Lightfinder: **Color:** 0.17 lux at 50 IRE, F1.4 **B/W:** 0.03 lux at 50 IRE, F1.4
Shutter speed	1/33500 to 1/5 s

System on chip (SoC)

Model	ARTPEC-7
Memory	1024 MB RAM, 512 MB Flash
Compute capabilities	Machine learning processing unit (MLPU)

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	5 MP: 2592x1944 to 160x120 4 MP: 2688x1512 to 160x90
Frame rate	Up to 25/30 fps 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 Low latency mode
Image settings	Axis Forensic WDR: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, aspect ratio correction, text and image overlay, privacy mask, mirroring of images
Pan/Tilt/Zoom	Digital PTZ

Audio

Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External microphone input or line input, network speaker pairing

Network

Security	IP address filtering, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, user access log
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS[a], TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

System integration

Application Programming Interface	Open API for software integration, including VAPIX® 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*
Event conditions	Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: digital input, manual trigger, virtual input MQTT subscribe Scheduled and recurring: scheduled event Video: day/night mode, live stream open, tampering
Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email MQTT publish Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator, output port
Built-in installation aids	Pixel counter, remote zoom and focus with i-CS

Analytics

AXIS Object Analytics	**Object classes:** humans, vehicles **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, license plates Confidence, position **Event data:** Producer reference, scenarios, trigger conditions
Applications	**Included** AXIS Object Analytics, AXIS Video Motion Detection, active tampering alarm **Supported** 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:** 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)[a], IEEE 802.1AR, HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	*AXIS OS Hardening Guide* *Axis Vulnerability Management Policy* *Axis Security Development Model* To download documents, go to *axis.com/support/cybersecurity/resources* To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

General

Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant polymer enclosure Color: White NCS S 1002-B
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 7.2 W, typical 4.5 W 10-28 V DC, max 6.6 W, typical 4.4 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for one input and one output (12 V DC output, max load 25 mA) DC input, terminal block 3.5 mm mic/line in
Storage	Recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*

Operating conditions	−25 °C to 50 °C (−13 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS 2 (2.2.7) 74 °C (165° F) Start-up temperature: −20 °C (−4 °F) Humidity 10–100% RH (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 61000-3-2, EN 61000-3-3, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835 **Safety** CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, CAN/CSA-C22.2 No. 60950-22, IEC/EN/UL 60950-22 **Environment** EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) **Network** NIST SP500-267
Dimensions	240 x 143 x 324 mm (9.5 x 5.6 x 12.8 in) including wall mount

Weight	1.8 kg (4.0 lb) including wall mount
Included accessories	AXIS T94Q01A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder 1-user license
Optional accessories	AXIS T94R01P Conduit Back Box, AXIS T98A16-VE Surveillance Cabinet Series, AXIS T91B47 Pole Mount, AXIS T90B Illuminators, AXIS T8351 Mk II Microphone 3.5 mm
Optional lenses	Computar 12.5-50 mm, DC-iris Lens Computar i-CS 2.8-8.5 mm
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. *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:

axis.com/environmental-responsibility