AXIS M1137 Mk II Box Camera

5 MP affordable surveillance

AXIS M1137 Mk II is an affordable, compact box camera that's easy to install and operate. It supports PoE and redundant DC power to ensure 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. The camera's CS-mount enables flexibility for exchangeable lenses. And a built-in microphone allows you to record video with sound. With AXIS Object Analytics preinstalled, it's possible to detect and classify humans and vehicles. Furthermore, Axis Zipstream with H.264/H.265 significantly lowers bandwidth and storage requirements.

> **Compact and flexible design**

> **Lightfinder and Forensic WDR**

> **Built-in microphone for audio recording**

> **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 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 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, barrel distortion correction, rotation: 0°, 90°, 180°, 270° including Corridor Format, 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, built-in microphone (can be disabled), network speaker pairing

Network

Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, 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, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), 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

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 **Scenarios:** 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 (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, 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 and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption **Hardware:** Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), Axis device ID, secure keystore, signed video, secure boot
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), 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	Polycarbonate blend Color: White NCS S 1002-B and Black NCS S 9000-N
Mounting	¼"-20 tripod screw thread Camera stand included
Sustainability	PVC free, 20% recycled plastics
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	–20 °C to 50 °C (–4 °F to 122 °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 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 **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 **Network** NIST SP500-267
Dimensions	**M1137 Mk II** 64 x 70 x 179 mm (2.5 x 2.8 x 7.0 in) **M1137 Mk II i-CS** 63 x 70 x 149 mm (2.5 x 2.8 x 5.9 in)

Weight	Without optics: 165 g (0.36 lb) **M1137 Mk II** With optics: 250 g (0.55 lb) **M1137 Mk II i-CS** With optics: 240 g (0.52 lb)
Included accessories	AXIS T91A11 Stand White, installation guide, Windows® decoder 1-user license
Optional accessories	AXIS T91A04/AXIS T91A05 Camera Holders, AXIS T91B53 Telescopic Ceiling Mount, AXIS T92E20 and AXIS T93F Housing Series, mains adaptor PS-P terminal connector, AXIS T8006 PS12, 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, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see *axis.com/warranty*

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