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**

ONVIF® | GMST

AXIS M1137 Mk II Box Camera

Camera

Image sensor
Progressive scan RGB CMOS 1/2.7"

Lens
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)
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
Color: 0.12 lux at 30 IRE, F1.4
B/W: 0.02 lux at 30 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[1], TLS[1], 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
Audio: audio detection
Device status: IP address removed, network lost, new IP address, storage failure, system ready, (with i-CS: within operating temperature, above operating temperature, above or below operating temperature, below 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

Applications
Included
AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection, AXIS Live Privacy Shield, active tampering alarm
Supported
Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

AXIS Object Analytics
Object classes: humans, vehicles
Scenarios: line crossing, object in area
Up to 10 scenarios
Other features: triggered objects visualized with color-coded bounding boxes
Polygon include/exclude areas
Perspective configuration
ONVIF Motion Alarm event

AXIS Scene Metadata
Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates
Object attributes: confidence, position

Approvals

EMC
EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, 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

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

Cybersecurity
ETSI EN 303 645, BSI IT Security Label, FIPS-140

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1. *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).*

Cybersecurity

Edge security
Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1), 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)[2], IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS[2], TLS v1.2/v1.3[2], Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

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)

Dimensions
64 x 70 x 179 mm (2.5 x 2.8 x 7.0 in)
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)
With optics: 250 g (0.55 lb)
With i-CS 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 systems
Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at *axis.com/vms*.

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2. *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).*

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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