

# AXIS M1135 Mk II Box Camera

## 2 MP affordable surveillance

AXIS M1135 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](#)



# AXIS M1135 Mk II Box Camera

Camera	
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.9"
<b>Lens</b>	Varifocal, IR corrected, CS-mount, DC-iris, 3–10.5 mm Horizontal field of view: 90°–33° Vertical field of view: 49°–19° 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 Horizontal field of view: 101°–33° Vertical field of view: 53°–18° Minimum focus distance: 0.8 m (2.6 ft)
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.15 lux at 50 IRE, F1.4 B/W: 0.03 lux at 50 IRE, F1.4 Color: 0.1 lux at 30 IRE, F1.4 B/W: 0.02 lux at 30 IRE, F1.4
<b>Shutter speed</b>	1/33500 to 2 s
System on chip (SoC)	
<b>Model</b>	ARTPEC-7
<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)
Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
<b>Resolution</b>	1920x1080 to 160x90
<b>Frame rate</b>	Up to 25/30 fps in all resolutions
<b>Video streaming</b>	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
<b>Image settings</b>	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
<b>Pan/Tilt/Zoom</b>	Digital PTZ
Audio	
<b>Audio streaming</b>	Audio in, simplex, two-way audio via edge-to-edge technology
<b>Audio encoding</b>	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
<b>Audio input/output</b>	External microphone input or line input, built-in microphone (can be disabled), automatic gain control, network speaker pairing
Network	
<b>Network protocols</b>	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	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T specification at <a href="http://onvif.org">onvif.org</a>
<b>Event conditions</b>	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
<b>Event actions</b>	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
<b>Built-in installation aids</b>	Pixel counter, remote zoom and focus with i-CS
Analytics	
<b>Applications</b>	<b>Included</b> AXIS Object Analytics, AXIS Scene Metadata, AXIS Image Health Analytics, AXIS Video Motion Detection, AXIS Live Privacy Shield, active tampering alarm <b>Supported</b> Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>AXIS Object Analytics</b>	<b>Object classes:</b> humans, vehicles <b>Scenarios:</b> line crossing, object in area, occupancy in area Up to 10 scenarios <b>Other features:</b> triggered objects visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>AXIS Image Health Analytics</b>	<b>Detection settings:</b> Tampering: blocked image, redirected image Image degradation: blurred image, underexposed image <b>Other features:</b> sensitivity, validation period
<b>AXIS Scene Metadata</b>	<b>Object classes:</b> humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates <b>Object attributes:</b> confidence, position
Approvals	
<b>EMC</b>	EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 61000-6-1, EN 61000-6-2 <b>Australia/New Zealand:</b> RCM AS/NZS CISPR 32 Class A <b>Canada:</b> ICES-3(A)/NMB-3(A) <b>Japan:</b> VCCI Class A <b>Korea:</b> KS C 9832 Class A, KS C 9835 <b>USA:</b> FCC Part 15 Subpart B Class A
<b>Safety</b>	CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1
<b>Environment</b>	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
<b>Network</b>	NIST SP500-267
<b>Cybersecurity</b>	ETSI EN 303 645
Cybersecurity	
<b>Edge security</b>	<b>Software:</b> Signed OS, 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 <b>Hardware:</b> Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), Axis device ID, secure keystore, signed video, secure boot
<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
<b>Documentation</b>	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a>

To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

General	
<b>Casing</b>	Polycarbonate blend Color: White NCS S 1002-B and Black NCS S 9000-N
<b>Mounting</b>	1/4"-20 tripod screw thread Camera stand included
<b>Sustainability</b>	PVC free, 20% recycled plastics
<b>Power</b>	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
<b>Connectors</b>	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
<b>Storage</b>	Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>
<b>Operating conditions</b>	-20 °C to 50 °C (-4 °F to 122 °F) Humidity 10–85% RH (non-condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Dimensions</b>	47 x 70 x 147 mm (1.8 x 2.8 x 5.8 in) i-CS 63 x 70 x 149 mm (2.5 x 2.8 x 5.9 in)
<b>Weight</b>	Without optics: 165 g (0.36 lb) With optics: 250 g (0.55 lb) With i-CS optics: 240 g (0.52 lb)
<b>Included accessories</b>	AXIS T91A11 Stand White, installation guide, Windows® decoder 1-user license
<b>Optional accessories</b>	AXIS T91A04/AXIS T91A05 Camera Holders, AXIS T91B53 Tele- scopic 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
<b>Optional lenses</b>	Computar 12.5–50 mm, DC-iris Lens CS 2.8–13 mm F1.4 DC-Iris 5 MP Lens Computar i-CS 2.8–8.5 mm
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>