

# AXIS M1137-E Network Camera

Outdoor-ready 5 MP premium affordable surveillance

AXIS M1137-E is a compact, outdoor-ready network camera that's easy to install and operate. It supports PoE and redundant DC power, so 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. It includes a CS-mount allowing you to easily change lens to meet your specific requirements. Plus, audio input lets you record video with sound. Furthermore, Axis Zipstream with H.264/H.265 significantly lowers bandwidth and storage requirements and enhanced security features ensures the integrity and authenticity of the firmware.

- > **5 MP at 30 fps**
- > **Lightfinder and Forensic WDR**
- > **Audio input**
- > **Exchangeable CS mount lens**
- > **Zipstream supporting H.264 and H.265**



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<b>Camera</b>	
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.7"
<b>Lens</b>	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°
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	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
<b>Shutter speed</b>	1/33500 to 1/5 s
<b>System on chip (SoC)</b>	
<b>Model</b>	ARTPEC-7
<b>Memory</b>	1024 MB RAM, 512 MB Flash
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)
<b>Video</b>	
<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>	5 MP: 2592x1944 to 160x120 4 MP: 2688x1512 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
<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, aspect ratio correction, text and image overlay, privacy mask, mirroring of images
<b>Pan/Tilt/Zoom</b>	Digital PTZ
<b>Audio</b>	
<b>Audio streaming</b>	Audio in, simplex
<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
<b>Network</b>	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, brute force delay protection, signed firmware, secure boot
<b>Supported protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
<b>System integration</b>	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection 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="http://onvif.org">onvif.org</a>
<b>Event conditions</b>	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

<b>Event actions</b>	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>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter
<b>Analytics</b>	
<b>Compute capabilities</b>	Machine learning processing unit (MLPU)
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles Trigger conditions: line crossing, object in area, time in area <sup>BETA</sup> Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Applications</b>	<b>Included</b> AXIS Object Analytics AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, 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>General</b>	
<b>Casing</b>	IP66- and NEMA 4X-rated, IK10 impact-resistant polymer enclosure Color: White NCS S 1002-B
<b>Sustainability</b>	PVC free
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 7.2 W, typical 4.5 W 8–28 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="http://axis.com">axis.com</a>
<b>Operating conditions</b>	-25 °C to 50 °C (-13 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS2 (2.27) 74 °C (165 °F) Start-up temperature: -20 °C (-4 °F) Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, 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, KC KN32 Class A, KC KN35 <b>Safety</b> IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22IS 13252 <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, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, NEMA TS 2 (2.2.7-2.2.9) <b>Network</b>

	NIST SP500-267
<b>Dimensions</b>	240 x 143 x 372 mm (9.5 x 5.6 x 14.7 in) including wall mount
<b>Weight</b>	1.8 kg (4.0 lb) including wall mount
<b>Included accessories</b>	AXIS T94Q01A Wall Mount, Torx® T20 screw driver, Torx® T30 screw bit, connector kit, installation guide, Windows® decoder 1-user license
<b>Optional accessories</b>	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
<b>Optional lenses</b>	Computar 12.5-50 mm, DC-iris
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>

**Languages** English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://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](http://axis.com/environmental-responsibility)