

# AXIS M2036-LE Bullet Camera

Affordable camera with deep learning

Ideal for tough environments and rough weather, AXIS M2036-LE delivers Quad HD 1440p/4 MP. With a deep learning processing unit, it enables unique opportunities for analytics based on deep learning on the edge. AXIS Object Analytics offers detection and classification of humans, vehicles, and types of vehicles. And Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network. This IK08-rated camera offers flexible and cost-efficient installation including support for PoE. Edge-to-edge technology allows for smart pairing with Axis Speakers. Plus, a spacious, sealed back box ensures secure cable management.

- > **Quad HD 1440p/4 MP**
- > **Compact, lightweight design**
- > **Analytics with deep learning**
- > **Zipstream supporting H.264/H.265**
- > **Outdoor-ready with IR illumination**



# AXIS M2036-LE Bullet Camera

<b>Variants</b>	AXIS M2036-LE AXIS M2036-LE Black	Edge storage: recording ongoing, storage disruption, storage health issues detected MQTT subscribe
<b>Camera</b>		
<b>Image sensor</b>	1/2.7" progressive scan RGB CMOS	
<b>Lens</b>	Fixed iris, fixed focus, IR corrected 2.4 mm, F2.1 Minimum focus distance: 0.5 m 4 MP (16:9) Horizontal field of view: 130° Vertical field of view: 71° 4 MP (4:3) Horizontal field of view: 109° Vertical field of view: 81°	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	With Lightfinder Color: 0.18 lux at 50 IRE, F2.1 B/W: 0.04 lux at 50 IRE, F2.1 0 lux with IR illumination on	
<b>Shutter speed</b>	1/38500 s to 1/5 s	
<b>System on chip (SoC)</b>		
<b>Model</b>	CV25	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Compute capabilities</b>	Deep learning processing unit (DLPU)	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	2304x1728 to 320x240 (4:3) 2688x1512 to 640x360 (16:9)	
<b>Frame rate</b>	Up to 25/30 fps with power line frequency 50/60 Hz in H.264 and H.265 <sup>a</sup>	
<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>Multi-view streaming</b>	Up to 2 individually cropped out view areas in full frame rate	
<b>Image settings</b>	Compression, color, brightness, sharpness, contrast, white balance, exposure control, motion-adaptive exposure, WDR: up to 115 dB depending on scene, text and image overlay, privacy masks, mirroring of images Rotation: 0°, 90°, 180°, 270°, including Corridor Format	
<b>Pan/Tilt/Zoom</b>	Digital PTZ	
<b>Audio</b>		
<b>Audio output</b>	Audio features through portcast technology: two-way audio connectivity, voice enhancer Smart pairing with Axis speakers via edge-to-edge technology	
<b>Network</b>		
<b>Network protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, MQTT v3.1.1	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="https://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="https://onvif.org">onvif.org</a>	
<b>Event conditions</b>	I/O: manual trigger Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, network lost, new IP address, system ready Video: average bitrate degradation, tampering, day-night mode Application: motion alarm, VMD 4, VMD3 Scheduled and recurring: scheduled event	
<b>Event actions</b>	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, day/night mode MQTT publish	
<b>Built-in installation aids</b>	Pixel counter Level grid	
<b>Analytics</b>		
<b>Applications</b>	Included AXIS Live Privacy Shield <sup>b</sup> , AXIS Object Analytics, AXIS Scene Metadata, AXIS Image Health Analytics, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>	
<b>AXIS Object Analytics</b>	Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Scenarios: line crossing, object in area, crossline counting, occupancy in area, time 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	
<b>AXIS Image Health Analytics</b>	Detection settings: Tampering: blocked image, redirected image Image degradation: blurred image, underexposed image Other features: sensitivity, validation period	
<b>AXIS Scene Metadata</b>	Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Object attributes: vehicle color, upper/lower clothing color, confidence, position	
<b>Cybersecurity</b>		
<b>Edge security</b>	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, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)	
<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="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>	
<b>General</b>		
<b>Casing</b>	IP66-/IP67-, NEMA 4X- and IK08-rated Aluminum and plastic casing White: White NCS S 1002-B Black: Black NCS S 9000-N	
<b>Sustainability</b>	PVC free, BFR/CFR free	
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5 W, max 12.95 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE	
<b>IR illumination</b>	OptimizedIR with power-efficient, long-life 855 nm IR LEDs Range of reach 20 m (65.6 ft) or more depending on the scene	

<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) 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>	-30 °C to 50 °C (-22 °F to 122 °F) Start-up temperature: -30 °C (-22 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °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> CISPR 24, CISPR 35, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A <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. 60950-22, IEC 62471, IS 13252 <b>Environment</b> 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/IP67, IEC/EN 62262 IK08, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) <b>Network</b> NIST SP500-267

<b>Cybersecurity</b>	ETSI EN 303 645
<b>Dimensions</b>	Length: 170 mm (6.7 in) ø 101 mm (4.0 in)
<b>Weight</b>	491 g (1.1 lb)
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, Torx® L-key, connector guard
<b>Optional accessories</b>	AXIS T94B03L Recessed Mount AXIS T94B02D Pendant Kit AXIS T94B01P Conduit Back Box AXIS T94B02M J-Box/Gang Box Plate AXIS T94 mounts for various installations AXIS Surveillance Cards For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners. For more information, see <a href="http://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="http://axis.com/warranty">axis.com/warranty</a>

- a. *Reduced frame rate in Motion JPEG*  
b. *16:9 capture mode required*