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## AXIS M2035-LE Bullet Camera

Affordable camera with deep learning

Ideal for tough environments and rough weather, AXIS M2035-LE delivers HDTV in 1080p. 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. Available in two lens alternatives, this IK08-rated camera offers flexible and cost-efficient installation including PoE. Edge-to-edge technology allows for smart pairing with Axis speakers. Plus, a spacious, sealed back box ensures secure cable management.

- > **HDTV 1080p**
- > **Compact, lightweight design**
- > **Analytics with deep learning**
- > **Zipstream supporting H.264/H.265**
- > **Outdoor-ready with IR illumination**



# AXIS M2035-LE Bullet Camera

<b>Variants</b>	AXIS M2035-LE AXIS M2035-LE Black AXIS M2035-LE 8 mm AXIS M2035-LE 8 mm Black	<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 Edge storage: recording ongoing, storage disruption, storage health issues detected MQTT subscribe
<b>Camera</b>		<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>Image sensor</b>	1/2.9" progressive scan RGB CMOS	<b>Built-in installation aids</b>	Pixel counter Level grid
<b>Lens</b>	Fixed iris, fixed focus, IR corrected <b>AXIS M2035-LE:</b> 3.2 mm, F1.4 Horizontal field of view: 101° Vertical field of view: 54° Minimum focus distance: 1.2 m <b>AXIS M2035-LE 8mm:</b> 7.5 mm, F1.6 Horizontal field of view: 39° Vertical field of view: 22° Minimum focus distance: 3 m	<b>Analytics</b>	
<b>Day and night</b>	Automatically removable infrared-cut filter	<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 Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
<b>Minimum illumination</b>	With Lightfinder <b>AXIS M2035-LE:</b> Color: 0.16 lux at 50 IRE, F1.4 B/W: 0.03 lux at 50 IRE, F1.4 0 lux with IR illumination on <b>AXIS M2035-LE 8mm:</b> Color: 0.17 lux at 50 IRE, F1.6 B/W: 0.03 lux at 50 IRE, F1.6 0 lux with IR illumination on	<b>Metadata</b>	Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Attributes: Vehicle color, upper/lower clothing color, confidence, position Event data: Producer reference, scenarios, trigger conditions
<b>Shutter speed</b>	1/19000 s to 1/5 s	<b>Applications</b>	<b>Included</b> AXIS Live Privacy Shield, AXIS Object Analytics, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>System on chip (SoC)</b>		<b>Cybersecurity</b>	
<b>Model</b>	CV25	<b>Edge security</b>	<b>Software:</b> 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 <b>Hardware:</b> 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>Memory</b>	1024 MB RAM, 512 MB Flash	<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>Compute capabilities</b>	Deep learning processing unit (DLPU)	<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 <a href="http://axis.com/cybersecurity">axis.com/cybersecurity</a>
<b>Video</b>		<b>General</b>	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Motion JPEG	<b>Casing</b>	IP66-/IP67-, NEMA 4X- and IK08-rated Aluminum and plastic casing AXIS M2035-LE: White NCS S 1002-B AXIS M2035-LE Black: Black NCS S 9000-N
<b>Resolution</b>	1280x960 to 320x240 (4:3) 1920x1080 to 640x360 (16:9)	<b>Sustainability</b>	PVC free, BFR/CFR free
<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>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5 W, max 12.95 W
<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>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE
<b>Multi-view streaming</b>	Up to 2 individually cropped out view areas in full frame rate	<b>IR illumination</b>	OptimizedIR with power-efficient, long-life 855 nm IR LEDs
<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="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>		

	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*

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