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

Variants	AXIS M2035-LE AXIS M2035-LE Black AXIS M2035-LE 8 mm AXIS M2035-LE 8 mm Black

Camera

Image sensor	1/2.9" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus, IR corrected 3.2 mm, F1.4 Horizontal field of view: 101° Vertical field of view: 54° Minimum focus distance: 1.2 m **8 mm:** 7.5 mm, F1.6 Horizontal field of view: 39° Vertical field of view: 22° Minimum focus distance: 3 m
Day and night	Automatically removable infrared-cut filter
Minimum illumination	With Lightfinder **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 **8 mm:** **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
Shutter speed	1/19000 s to 1/5 s

System on chip (SoC)

Model	CV25
Memory	1024 MB RAM, 512 MB Flash
Compute capabilities	Deep learning processing unit (DLPU)

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Motion JPEG
Resolution	1280x960 to 320x240 (4:3) 1920x1080 to 640x360 (16:9)
Frame rate	Up to 25/30 fps with power line frequency 50/60 Hz in H.264 and H.265[a]
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
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate
Image settings	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
Pan/Tilt/Zoom	Digital PTZ

Audio

Audio output	Audio features through portcast technology: two-way audio connectivity, voice enhancer Smart pairing with Axis speakers via edge-to-edge technology

Network

Network protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[b], HTTP/2, TLS[c], 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

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	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
Event actions	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
Built-in installation aids	Pixel counter Level grid

Analytics

Applications	**Included** AXIS Live Privacy Shield, AXIS Object Analytics, AXIS Scene Metadata, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
AXIS Object Analytics	**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
AXIS Scene Metadata	**Object classes:** humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates **Object attributes:** vehicle color, upper/lower clothing color, confidence, position

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, 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)
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[d], IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS[e], TLS v1.2/v1.3[f], 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	IP66-/IP67-, NEMA 4X- and IK08-rated Aluminum and plastic casing **White:** White NCS S 1002-B **Black:** Black NCS S 9000-N
Sustainability	PVC free, BFR/CFR free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 5 W, max 12.95 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE
IR illumination	OptimizedIR with power-efficient, long-life 855 nm IR LEDs Range of reach 20 m (65.6 ft) or more depending on the scene

Storage	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 *axis.com*
Operating conditions	–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)
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	**EMC** 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 **Safety** 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 **Environment** 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) **Network** NIST SP500-267
Cybersecurity	ETSI EN 303 645
Dimensions	Length: 170 mm (6.7 in) ø 101 mm (4.0 in)
Weight	491 g (1.1 lb)

Included accessories	Installation guide, Windows® decoder 1-user license, Torx® L-key, connector guard
Optional accessories	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 *axis.com*
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*.
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*

a. *Reduced frame rate in Motion JPEG*
b. *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).*
c. *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).*
d. *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).*
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