

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

Variants

AXIS M2036-LE
AXIS M2036-LE Black

Camera

Image sensor

1/2.7" progressive scan RGB CMOS

Lens

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°

Day and night

Automatically removable infrared-cut filter

Minimum illumination

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

Shutter speed

1/38500 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) Main Profile
Motion JPEG

Resolution

2304x1728 to 320x240 (4:3)
2688x1512 to 640x360 (16:9)

Frame rate

Up to 25/30 fps with power line frequency
50/60 Hz in H.264 and H.265¹

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

1. Reduced frame rate in Motion JPEG

Network

Network protocols

IPv4, IPv6, USGv6, HTTP, HTTPS², HTTP/2, TLS², QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, NTP, PTP, 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, 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 Shield³, 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 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 Client Credential Flow/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)², IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS², TLS v1.2/v1.3², Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

3. 16:9 capture mode required

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

Optimized IR 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