

AXIS M3105-L Network Camera

Discreet HDTV 1080p video surveillance with built-in IR illumination

AXIS M3105-L is an affordable, discreet fixed mini dome with a flat-faced design that suppresses reflections. Using WDR technology and IR illumination, it provides compact HDTV surveillance even in challenging light conditions or total darkness. The smart design allows for easy repainting, or using the optional black accessory casing to blend the camera into its environment. Axis Zipstream technology reduces bandwidth and storage requirements. A variety of accessories are available for flexible and easy installation.

- > [Built-in IR illumination](#)
- > [HDTV 1080p video](#)
- > [WDR – Forensic Capture](#)
- > [Axis Zipstream technology](#)
- > [Smart design for easy, flexible installation](#)



AXIS M3105-L Network Camera

Camera

Image sensor

1/2.8" progressive scan RGB CMOS

Lens

M12 mount, Fixed iris, Fixed focus
2.8 mm, F2.0
Horizontal field of view: 115°
Vertical field of view: 64°

Day and night

Automatically removable infrared-cut filter

Minimum illumination

Color: 0.2 lux at 50 IRE, F2.0
B/W: 0.04 lux at 50 IRE, F2.0
0 lux with IR illumination on

Shutter speed

1/66500 s to 2 s

Camera adjustment

Pan: $\pm 180^\circ$
Tilt: 0° to 60° (0° = lens directed at a right angle to camera base)
Rotation: $\pm 95^\circ$
Can be directed in any direction and see the wall/ceiling

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
Motion JPEG

Resolution

1920x1080 to 176x120

Frame rate

Up to 25/30 fps with power line frequency 50/60 Hz

Video streaming

Multiple, individually configurable streams in H.264 and Motion JPEG
Axis Zipstream technology in H.264
Controllable frame rate and bandwidth
VBR/ABR/MBR H.264

Multi-view streaming

Up to 2 individually cropped out view areas in full frame rate

Pan/Tilt/Zoom

Digital PTZ

Image settings

Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control, WDR – Forensic Capture: up to 115 dB depending on scene. Rotation: 0° , 90° , 180° , 270° including Corridor Format, Text and image overlay, Privacy masks, Mirroring of images

Network

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1x (EAP-TLS)¹ network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware

Network protocols

IPv4, IPv6, USGv6, HTTP, HTTPS¹, SSL/TLS¹, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, 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
AXIS Video Hosting System (AVHS) with One-Click Connection
ONVIF[®] Profile G, ONVIF[®] Profile S, and ONVIF[®] Profile T, specification at onvif.org

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

Analytics

Included

AXIS Video Motion Detection, active tampering alarm

Supported

AXIS Digital Autotracking, AXIS Fence Guard, AXIS Motion Guard, AXIS Loitering Guard, AXIS People Counter, AXIS Queue Monitor, AXIS Occupancy Estimator, AXIS Direction Detector, AXIS Tailgating Detector, AXIS Random Selector

Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

Event triggers

Analytics, Edge storage events, Virtual inputs through API

Event actions

File upload: FTP, SFTP, HTTP, HTTPS, network share, email

Notification: email, HTTP, HTTPS, TCP, SNMP trap

Video recording to edge storage

Send video clip

Pre- and post-alarm video buffering

Overlay text

Day/night mode, overlay text, IR illumination, WDR mode

Data streaming

Event data

Built-in installation aids

Pixel counter

General

Casing

IP42 water and dust resistant (to comply with IP42, follow instructions in Installation Guide), ASA polymer casing

Encapsulated electronics, Captive screws (Torx 10)

Color: White NCS S 1002-B

For repainting instructions and impact on warranty, contact your Axis partner

Sustainability

PVC free

Memory

512 MB RAM, 256 MB Flash

Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2

Typical: 4.2 W, Max.: 6.2 W

Connectors

RJ45 10BASE-T/100BASE-TX PoE

IR illumination

Power-efficient, long-life 850 nm IR LED. Range of reach 15 m (50 ft) or more depending on the scene

Storage

Support for microSD/microSDHC/microSDXC card

Support for SD card encryption

Support for recording to network-attached storage (NAS)

For SD card and NAS recommendations see axis.com

Operating conditions

0 °C to 50 °C (32 °F to 122 °F)

Humidity 10–85% RH (non-condensing)

Storage conditions

–40 °C to 65 °C (–40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

Approvals

EMC

EN 55022 Class B, EN 55024, IEC 62471, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class B, KN35

Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 60068-2-14, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 60529 IP42, IEC 60721-3-4 Class 3M3

Safety

IEC/EN/UL 62368-1, IS 13252

Network

NIST SP500-267

Dimensions

Height: 85 mm (3.3 in)

ø 100 mm (3.9 in)

Weight

360 g (0.78 lb)

Included accessories

Installation Guide, Windows decoder 1-user license, Torx® L-key

Optional accessories

AXIS T94B02D Pendant kit

AXIS T94B01P Conduit Back Box

AXIS T94B02M J-Box/Gang Box Plate

AXIS M31-L Casing, Black

Axis Mounts

AXIS Surveillance microSDXC™ Card

For more accessories, see axis.com

Video management software

AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms

Languages

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

Warranty

Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

