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: ±180°
Tilt: 0° to 60° (0° = lens directed at a right angle to camera base)
Rotation: ±95°
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, HTTPS[1] 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, HTTPS[1], SSL/TLS[1], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, 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 (eay@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*

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