AXIS M3045-V Network Camera
HDTV 1080p fixed mini dome with HDMI

AXIS M3045-V is an affordably priced, vandal- and dust-resistant indoor fixed dome. The camera has an integrated RJ45 Ethernet connection and supports Power over Ethernet (PoE). WDR ensures that details in both the dark and bright areas of a scene are visible. HDMI support enables live streaming to an HDTV monitor for e.g. public viewing. The factory-focused camera can be mounted on walls or ceilings and with its 3-axis camera angle adjustment it can be easily leveled and directed in any direction. Axis Corridor Format enables vertically oriented video streams. AXIS M3045-V supports video analytics such as people counting.

> Ultra-compact, vandal- and dust-resistant design
> HDTV 1080p / 2 MP
> HDMI support enables streaming to a monitor
> Axis Zipstream technology for reduced bandwidth and storage
> Axis Corridor Format
# AXIS M3045-V Network Camera

## Models

### Camera
- **Image sensor:** 1/3" progressive scan RGB CMOS

### Lens
- **M12 mount, fixed iris, fixed focus 2.8 mm, F2.0**
- **Horizontal field of view:** 106°
- **Vertical field of view:** 59°

### Light sensitivity
- **0.25 lux at 50 IRE F2.0**

### Shutter time
- **1/32500 s to 1/5 s**

### Camera angle adjustment
- **Pan:** ±177°
- **Tilt:** ±69°
- **Rotation:** ±176°
- Can be adjusted in any direction and see the wall or ceiling.

## Video

### Video compression
- **H.264 (MP@ML)**
- **Baseline, Main and High Profiles**
- **Motion JPEG**

### Resolution
- **1920x1080 (1080p) to 320x240**

### Frame rate
- **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/MBR H.264**
- **HDMI™**
- **Multi-view streaming**
  - Up to 2 individually cropped out view areas in full frame rate
- **Pan/Tilt/Zoom**
  - Digital PTZ

### HDMI output
- **HDMI 1080p@25/30 fps (50/60 Hz)**
  - **HDMI 1080i@50/60 fps (50/60 Hz)**
  - **HDMI 720p@50/60 fps (50/60 Hz)**
  - **HDMI 720p@25/30 fps (50/60 Hz)**

### Image settings
- **Compression, color, brightness, sharpness, contrast, white balance, exposure control, WDR, text and image overlay, mirroring of images, privacy mask**
- **Rotation:** 0°, 90°, 180°, 270°, including Corridor Format

## Network

### Security
- **Password protection, IP address filtering, HTTPS® encryption, IEEE 802.1x (EAP-TLS® network access control), digital authentication, user access log, centralized certificate management, brute force delay protection**

### Supported protocols
- **IPv4, IPv6, UDP, HTTP, HTTPS®, SSL/TLS®, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMPv1/v2c/v3 (IMIB-II), DNS, DynDNS, NTP, RTSP, RTP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, Socks, SSH, HDMI™ 1.4b, LLDP**

## System integration

### Application Programming Interface
- **Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com**
- **AXIS Guardian with One-Click Connection**
  - ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T; specification at onvif.org

### 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**

### Event triggers
- **Analytics, edge storage events**
- **Event actions**
  - File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP and SNMP trap
  - **Video recording to edge storage**
  - **Send video clip**
  - **Pre- and post-alarm video buffering**
  - **Overlay text**

## Data streaming
- **Event data**

## Built-in installation aids
- **Pixel counter**

## General

### Cybersecurity
- **Signed firmware**

### Casing
- **IP42 water- and dust-resistant (to comply with IP42, follow the Installation Guide), IK08 impact-resistant, polycarbonate/ABS casing**
- **Encapsulated electronics, captive screws (TORX® 10)**
- **Color:** white
- **Maintenance:** for repaintings of skin cover or casing and impact on warranty, contact your Axis partner.

### Sustainability
- **PVC-free, 55% recycled plastics**

### Memory
- **512 MB RAM, 256 MB Flash**

### Power
- **Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 1 Typical 2.6 W, max 3.0 W**

### Connectors
- **Shielded RJ45 10BASE-T/100BASE-TX PoE®**
- **HDMI™ Type D®**

### Storage
- **Support for microSD/microSDHC/microSDXC card**
- **Support for SD card encryption**
- **Support for recording to network-attached storage (NAS)**
- **For memory card and NAS recommendations see axis.com**

### Operating conditions
- **0 °C to 45 °C [32 °F to 113 °F]**
- **Humidity 15-85% RH (non-condensing)**

### Storage conditions
- **-40 °C to 65 °C [-40 °F to 149 °F]**
- **Humidity 5-95% RH (non-condensing)**

### Approvals
- **EMC**
  - **EN 55032 Class B, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A and B, IECES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class B, KN35 Safety**
  - **IEC/EN/UL 60950-1, IS 13252 Environment**
  - **IEC/EN 60529 IP42, IEC/EN 62262 Class IK08, RoHS, WEEE Network**
  - **NIST SP500-267**

### Dimensions
- **Height:** 56 mm (2.2 in)
- **Width:** 101 mm (4.0 in)

### Weight
- **170 g (0.38 lb)**

### Included accessories
- **Installation Guide Windows® decoder 1-user license**
- **TORX® L-key**

### Optional accessories
- **AXIS T94B02D Pendant kit**
- **AXIS T94B02L Recessed mount**
- **AXIS T94B01P Conduit back box**
- **AXIS T94B02M J-Box/Gang box plate**
- **View protection**
- **Black casing**
- **Smoked dome**
- **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 at 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**
  - **a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).**
  - **b. Make sure that the cable has a slim connector plug**

### Environmental responsibility
- **axis.com/environmental-responsibility**

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