AXIS M3045-WV Network Camera

HDTV 1080p / 2 MP fixed mini dome with HDMI and wireless connection

AXIS M3045-WV is an affordably priced indoor fixed dome that provides HDTV 1080p video. The camera connects to the network over wireless LAN or over Ethernet with an integrated RJ45 connector. 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-WV supports video analytics such as people counting.

> **Ultra-compact, vandal and dust-resistant design**

> **Connects over wireless LAN or Ethernet**

> **HDMI support enables streaming to a monitor**

> **Axis Zipstream technology for reduced bandwidth and storage**

> **Axis Corridor Format**

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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 speed	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 (MPEG-4 Part 10/AVC) 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

Wireless interface	Internal antenna IEEE 802.11 a/b/g/n, 2.4 and 5.2 GHz (channels 36, 40, 44, 48)
Security	Password protection, IP address filtering, HTTPS [a] encryption, IEEE 802.1x (EAP-TLS) [b] network access control, digest authentication, user access log, centralized certificate management, WLAN pairing button (WPS) PBC compatible, brute force delay protection
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS [b] , SSL/TLS , CIFS/SMB, Bonjour, UPnP ™ , DNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, HDMI ™ 1.4b, 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*

Analytics

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

Analytics

Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection , active tampering alarm

Supported
AXIS Digital Autotracking, 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*

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 NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Sustainability	PVC-free
Memory	512 MB RAM, 256 MB Flash
Power	4.8–5.2 V DC Typical 2.7 W , max 3.1 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX Micro USB for DC power Micro HDMI ™ (Type D)
Storage	Support for microSD/microSDHC/microSDXC card 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 , ICES-003 Class B Wireless EN 300328 , EN 301489-1 , EN 301489-17 , EN 301893 , FCC Part 15 Subpart C , FCC Part 15 Subpart E , RSS-247 Safety IEC/EN/UL 60950-1 Environment IEC/EN 60529 IP42 , IEC/EN 62262 Class IK08 Network NIST SP500-267
Dimensions	Height: 56 mm (2.2 in) ø 101 mm (4.0 in)
Weight	170 g (0.38 lb)
Included accessories	Power supply 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	5-year warranty, 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).*
b. *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).*