AXIS M1045-LW Network Camera

Wireless HDTV 1080p camera with edge storage and IR illumination

AXIS M1045-LW features wireless communication and supports microSD card for edge storage. The WDR enabled camera offers 1080p resolution at full frame rate, day and night functionality with a mechanical IR cut filter and IR illumination. It is easy to install with included wall and corner bracket, and has a 110° horizontal field of view.

> **Wireless communication and edge storage**

> **IR illumination**

> **Bracket for wall and corner mount**

> **HDTV 1080p resolution at 30 fps**

> **WDR**

Camera

Image sensor	1/3" progressive scan RGB CMOS
Lens	Fixed focal length, 2.8 mm, F2.0 Horizontal field of view: 110° Vertical field of view: 61° M12 mount, fixed iris, IR corrected
Day and night	Automatically removable IR cut filter
Minimum illumination	Color: 0.25 lux at 50 IRE F2.0 B/W: 0.05 lux at 50 IRE F2.0, 0 lux with IR illumination on
Shutter time	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz
Pan/Tilt/Zoom	Digital PTZ

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG
Resolution	1920x1080 HDTV 1080p to 320x240
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions
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
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, day/night shift level, rotation: 0°, 180°, text and image overlay, privacy masks, mirroring of images, WDR

Network

Wireless interface	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5 GHz (channels 36, 40, 44, 48)
Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log WPA/WPA2-PSK, WPA, WPA2 Enterprise, WLAN pairing button (WPS) PBC-compatible, Brute force delay protection
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, LLDP

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF Profile S; specifications at www.onvif.org
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics, edge storage events
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP, HTTPS and TCP Video recording to edge storage, activation of IR-LED, overlay text Pre- and post-alarm video buffering
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	Polycarbonate, aluminum, recycled plastic 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, 64% recycled plastic
Memory	512 MB RAM, 256 MB Flash
Power	4.75–5.25 V DC, typical 2.7 W, max 4.4 W
IR illumination	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
Connectors	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–85% RH (non-condensing)
Approvals	EMC EN 55032 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, 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 32 Class B, KN24, KN35 Wireless EN 300328, EN 301489-1, EN 301489-17, EN 301893, FCC Part 15 Subpart C, FCC Part 15 Subpart E, RSS-247, TELEC Safety IEC/EN/UL 60950-1, IEC/EN 62471 Network NIST SP500-267
Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
Weight	126 g (0.28 lb)
Included accessories	Power supply, Installation Guide, mounting bracket, table top stand, Windows decoder 1-user license
Optional accessories	AXIS T8415 Installation Display T91A10 Mounting Kit AXIS Surveillance microSDXC™ Card 64 GB For more accessories, see www.axis.com
Video management software	AXIS Companion video management software, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.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 www.axis.com/warranty

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