

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](#)



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Camera		General	
Image sensor	1/3" progressive scan RGB CMOS	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.
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	Sustainability	PVC free, 64% recycled plastic
Day and night	Automatically removable IR cut filter	Memory	512 MB RAM, 256 MB Flash
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	Power	4.75–5.25 V DC, typical 2.7 W, max 4.4 W
Shutter time	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz	IR illumination	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
Pan/Tilt/Zoom	Digital PTZ	Connectors	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX
Video		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
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG	Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
Resolution	1920x1080 HDTV 1080p to 320x240	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 10–85% RH (non-condensing)
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	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
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	Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
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	Weight	126 g (0.28 lb)
Network		Included accessories	Power supply, Installation Guide, mounting bracket, table top stand, Windows decoder 1-user license
Wireless interface	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5 GHz (channels 36, 40, 44, 48)	Optional accessories	AXIS T8415 Installation Display T91A10 Mounting Kit AXIS Surveillance microSDXC™ Card 64 GB For more accessories, see www.axis.com
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	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
Supported protocols	IPv4/v6, 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	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
System integration		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
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 S; specifications at www.onvif.org	a. <i>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 (ey@cryptsoft.com).</i>	
Analytics	AXIS Video Motion Detection Active tampering alarm, Support for AXIS Camera Application Platform, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see www.axis.com/acap	Environmental responsibility: www.axis.com/environmental-responsibility	
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		