

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		Data streaming	Event data
Image sensor	1/3" progressive scan RGB CMOS	Built-in installation aids	Pixel counter
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	General	
Day and night	Automatically removable IR cut filter	Cybersecurity	Signed firmware
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	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.
Shutter time	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz	Sustainability	PVC-free, 64% recycled plastic
Pan/Tilt/Zoom	Digital PTZ	Mounting	¼"-20 UNC tripod screw thread
Video		Memory	512 MB RAM, 256 MB Flash
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG	Power	4.75–5.25 V DC, typical 2.7 W, max 4.4 W
Resolution	1920x1080 HDTV 1080p to 320x240	IR illumination	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	Connectors	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX
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	Storage	Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations, see axis.com
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, rotation: 0°, 90°, 180°, 270°, including Corridor Format	Operating conditions	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
Network		Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Wireless interface	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5.2 GHz (channels 36, 40, 44, 48)	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
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^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	Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
Supported protocols	IPv4, IPv6, USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, LLDP, MQTT	Weight	126 g (0.28 lb)
System integration		Included accessories	Power supply, Installation Guide, mounting bracket, table top stand, Windows [®] decoder 1-user license
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; specifications at onvif.org	Optional accessories	AXIS T8415 Installation Display AXIS T91A10 Mounting Kit AXIS Surveillance microSDXC [™] Card 64 GB For more accessories, see axis.com
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	Video management software	AXIS Companion video management software, AXIS Camera Station, Video management software from Axis' Application Development Partners available at axis.com/vms
Event triggers	Analytics, edge storage events	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
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	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 (openssl.org/), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility