

## 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](#)



# AXIS M1045-LW Network Camera

<b>Camera</b>		<b>Data streaming</b>	Event data
<b>Image sensor</b>	1/3" progressive scan RGB CMOS	<b>Built-in installation aids</b>	Pixel counter
<b>Lens</b>	Fixed focal length, 2.8 mm, F2.0 Horizontal field of view: 110° Vertical field of view: 61° M12 mount, fixed iris, IR corrected	<b>General</b>	
<b>Day and night</b>	Automatically removable IR cut filter	<b>Cybersecurity</b>	Signed firmware
<b>Minimum illumination</b>	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	<b>Casing</b>	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.
<b>Shutter time</b>	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz	<b>Sustainability</b>	PVC-free, 64% recycled plastic
<b>Pan/Tilt/Zoom</b>	Digital PTZ	<b>Mounting</b>	¼"-20 UNC tripod screw thread
<b>Video</b>		<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG	<b>Power</b>	4.75–5.25 V DC, typical 2.7 W, max 4.4 W
<b>Resolution</b>	1920x1080 HDTV 1080p to 320x240	<b>IR illumination</b>	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all resolutions	<b>Connectors</b>	Micro USB type B for power only RJ45 10BASE-T/100BASE-TX
<b>Video streaming</b>	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	<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations, see <a href="http://axis.com">axis.com</a>
<b>Image settings</b>	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	<b>Operating conditions</b>	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
<b>Network</b>		<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Wireless interface</b>	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5.2 GHz (channels 36, 40, 44, 48)	<b>Approvals</b>	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
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log WPA/WPA2-PSK, WPA, WPA2 Enterprise, WLAN pairing button (WPS) PBC-compatible, Brute force delay protection	<b>Dimensions</b>	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, LLDP, MQTT	<b>Weight</b>	126 g (0.28 lb)
<b>System integration</b>		<b>Included accessories</b>	Power supply, Installation Guide, mounting bracket, table top stand, Windows <sup>®</sup> decoder 1-user license
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T; specifications at <a href="http://onvif.org">onvif.org</a>	<b>Optional accessories</b>	AXIS T8415 Installation Display AXIS T91A10 Mounting Kit AXIS Surveillance microSDXC <sup>™</sup> Card 64 GB For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, active tampering alarm <b>Supported</b> AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>	<b>Video management software</b>	AXIS Companion video management software, AXIS Camera Station, Video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Event triggers</b>	Analytics, edge storage events	<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Event actions</b>	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	<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit ([openssl.org/](http://openssl.org/)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)