

## 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>General</b>	
<b>Image sensor</b>	1/3" Progressive scan RGB CMOS	<b>Casing</b>	Polycarbonate, Aluminium, 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>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>Sustainability</b>	PVC free, 64% recycled plastic
<b>Day and night</b>	Automatically removable IR cut filter	<b>Memory</b>	512 MB RAM, 256 MB Flash
<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>Power</b>	4.75–5.25 V DC, typical 2.7 W, max 4.4 W
<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>IR illumination</b>	IR illumination, LED with adjustable intensity. Range up to 10 m (32 ft)
<b>Pan/Tilt/Zoom</b>	Digital PTZ	<b>Connectors</b>	Micro USB type B for power only, RJ45 10BASE-T/100BASE-TX
<b>Video</b>		<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG	<b>Operating conditions</b>	0 °C to 40 °C (32 °F to 104 °F) Humidity 10–85% RH (non-condensing)
<b>Resolutions</b>	1920x1080 HDTV 1080p to 320x240	<b>Storage conditions</b>	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 10–85% RH (non-condensing)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all resolutions	<b>Approvals</b>	<b>EMC</b> 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, KN–35 <b>Wireless</b> EN 300328, EN 301489–1, EN 301489–17, EN 301893, FCC Part 15 Subpart C, FCC Part 15 Subpart E, RSS–247 <b>Safety</b> IEC/EN/UL 60950–1, IEC/EN 62471
<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 Variable bitrate/Constant bitrate H.264	<b>Dimensions</b>	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
<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	<b>Weight</b>	126 g (0.28 lb)
<b>Network</b>		<b>Included accessories</b>	Power supply, Installation Guide, Mount bracket, Table top stand, Windows decoder 1-user license
<b>Wireless interface</b>	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5 GHz	<b>Optional accessories</b>	AXIS Surveillance microSDXC™ Card 64 GB AXIS T8415 Installation Display T91A10 Mounting Kit For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log WPA/WPA2–PSK, WPA, WPA2 Enterprise WLAN pairing button (Wi-Fi Protected Setup™ PBC compatible)	<b>Video management software</b>	AXIS Companion video management software, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , 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	<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>System integration</b>		<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S; specifications at <a href="http://www.onvif.org">www.onvif.org</a>	a. <i>This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<a href="http://www.openssl.org/">http://www.openssl.org/</a>), and cryptographic software written by Eric Young (<a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a>).</i>	
<b>Analytics</b>	AXIS Video Motion Detection 3 Support for AXIS Camera Application Platform, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>	<b>Environmental responsibility:</b> <a href="http://www.axis.com/environmental-responsibility">www.axis.com/environmental-responsibility</a>	
<b>Event triggers</b>	Analytics, Edge storage events		
<b>Event actions</b>	File upload: FTP, HTTP, network share and email Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Video recording to edge storage, Activation of IR-LED, Overlay text		
<b>Data streaming</b>	Event data		
<b>Built-in installation aids</b>	Pixel counter		