

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

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 speed

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, rotation: 0°, 90°, 180°, 270°, including Corridor Format

Network

Wireless interface

Internal antenna

IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5.2 GHz (channels 36, 40, 44, 48)

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1X (EAP-TLS)¹ network access control, digest authentication, user access log WPA/WPA2-PSK, WPA, WPA2 Enterprise, WLAN pairing button (WPS) PBC-compatible, Brute force delay protection

Network protocols

IPv4, IPv6, USGv6, HTTP, HTTPS¹, SSL/TLS¹, CIFS/SMB, Bonjour, UPnP™, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com

One-click cloud connection

ONVIF® Profile G, ONVIF® Profile S and

ONVIF® Profile T; specifications at onvif.org

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

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org/), and cryptographic software written by Eric Young (eyay@cryptsoft.com).

Built-in installation aids

Pixel counter

Analytics

Applications

Included

AXIS Video Motion Detection

AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, 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

General

Cybersecurity

Signed firmware

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

Mounting

1/4"-20 UNC tripod screw thread

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 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 5–95% 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

AXIS T91A10 Mounting Kit

AXIS Surveillance microSDXC™ Card 64 GB

For more accessories, see axis.com

Video management software

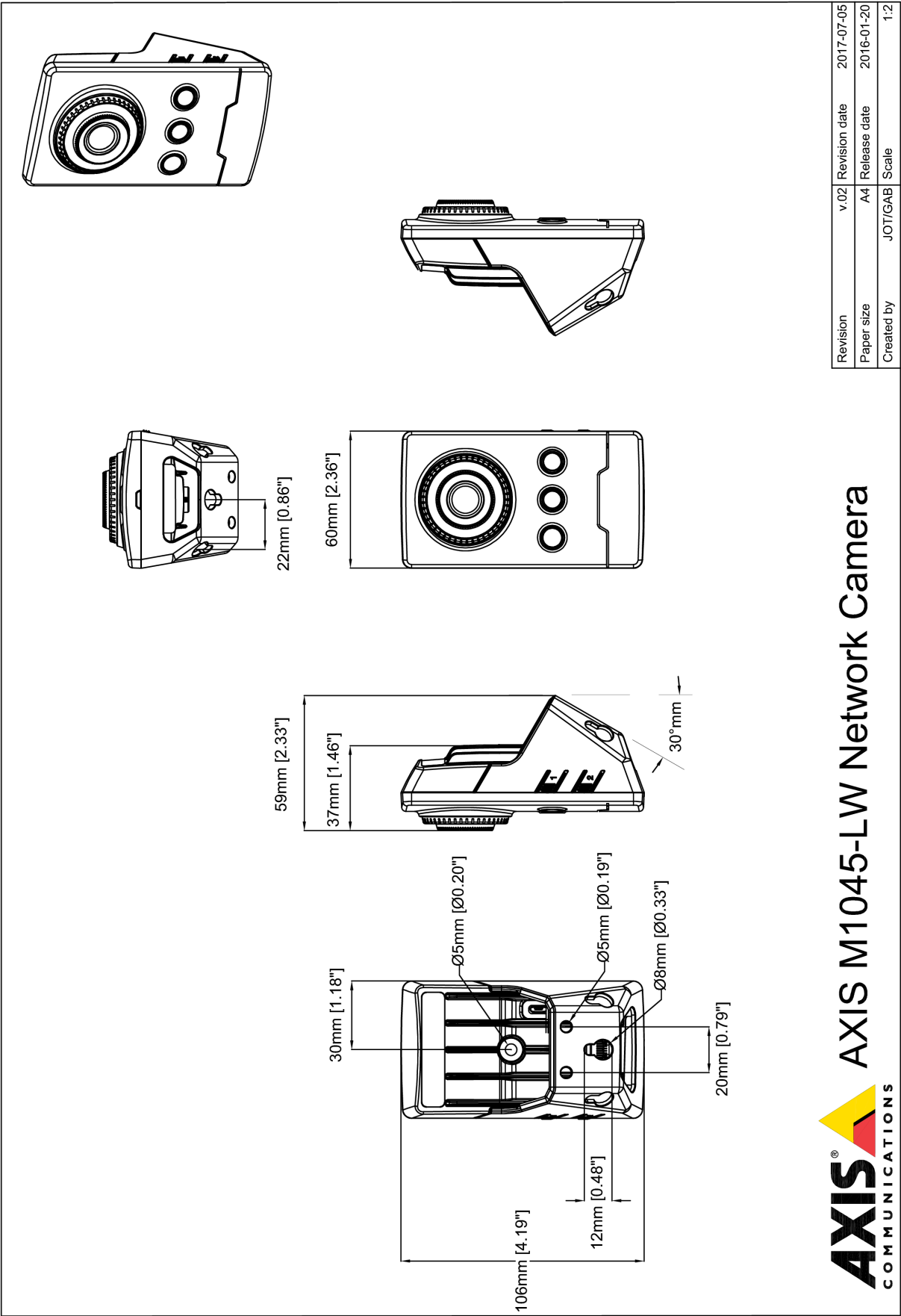
AXIS Companion video management software, AXIS Camera Station, Video management software from Axis' Application Development Partners available at axis.com/vms

Languages

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty

5-year warranty, see axis.com/warranty



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www.axis.com