AXIS M3027-PVE Network Camera

Outdoor-ready fixed mini dome with 180°/270°/360° panoramic views

AXIS M3027-PVE is a factory-focused, 5-megapixel fixed mini dome that provides detailed, high quality 180°, 270° or 360° panoramic views. It has day and night functionality, maintaining high image quality even in low-light conditions. The vandal-resistant, outdoor-ready camera can be used to detect activities, track the flow of people and improve area management. It offers different views: 360° overview and dewarped views such as panorama, double panorama and quad views. AXIS M3027-PVE provides four individually cropped out and dewarped view areas where users can digitally pan, tilt and zoom in on areas of interest. Support for AXIS Camera Application Platform enables the installation of intelligent video applications such as people counting.

> **Compact, vandal-resistant, outdoor-ready design**

> **360°/270°/180° panoramic views in up to 5 MP resolution**

> **Input/output ports**

> **Digital PTZ and multi-view streaming with dewarped views**

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Camera

Image sensor	1/3.2" progressive scan RGB CMOS
Lens	M12 mount, Fixed iris, IR corrected 1.27 mm, F2.0 Horizontal field of view: 187° Vertical field of view: 168°
Day and night	Automatically removable infrared-cut filter
Light sensitivity/ minimum illumination	Color: 0.3-200000 lux, F2.0, B/W: 0.06 lux, F2.0
Shutter time	1/24500 s to 2 s
Camera angle adjustment	Rotation ±180°

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profile Motion JPEG
Resolutions	2592x1944 (5 MP) to 160x120 Overview: 2592x1944 (5 MP) to 160x120 Panorama: 1920x720 to 320x120 Double Panorama: 1920x1440 to 160x120 Quad view: 1920x1440 to 160x120
Frame rate	12 fps in 360° overview and panoramic views with power line frequency 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264
Multi-view streaming	360° overview. Dewarped panorama, double panorama and quad views. Up to 4 individually cropped out and dewarped view areas. When streaming 4 dewarped view areas and one 360° overview in VGA resolution, the frame rate is 10 fps per stream
Pan/Tilt/Zoom	Digital PTZ of view areas, Preset positions, Guard tour. Digital PT of panorama, double panorama and quad views
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, Wide Dynamic Range – dynamic contrast, text and image overlay, mirroring of images, privacy mask Exposure zones, fine tuning of low light behavior Rotation: 0°, 180°

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, Centralized Certificate Management
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, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

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 and ONVIF Profile G, specification at *www.onvif.org*
Analytics	AXIS Video Motion Detection 4, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see *www.axis.com/acap*
Event triggers	Analytics, Edge storage events, External input
Event actions	File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTPS and TCP

	External output activation Video recording to edge storage Pre- and post-alarm video buffering Go to PTZ preset, Guard tour
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant aluminum casing with transparent, polycarbonate cover and dehumidifying membrane, Encapsulated electronics, Captive screws (resitorx 10) Color: White NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Memory	512 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3a Type 1 Class 2 max 4.5 W, typical 3.4 W
Connectors	Male RJ45 10BASE-T/100BASE-TX PoE on a 2 m (6.6 ft) network cable, warranty can be maintained even when cable is cut-for more information, contact your Axis partner Terminal block for 1 alarm input and 1 output
Storage	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *www.axis.com*
Operating conditions	-30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)
Approvals	**EMC** EN 55022 Class B, 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 22 Class B, KCC KN22 Class B, KN24 **Safety** IEC/EN/UL 60950-22 **Environment** EN 50581, IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 IK10
Dimensions	Ø 132 x 73 mm (Ø 5 3/16 x 2 7/8 in)
Weight	740 g (1.6 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, Drill hole template, Resitorx L-key, Terminal block connector
Optional accessories	AXIS T91 Mount Accessories, AXIS T94F01D Pendant Kit, AXIS T94F01L Recessed Mount Kit, AXIS T94F01M J-Box/Gang Box Plate, AXIS T94F01P Conduit Back Box, AXIS T94F01S Mount Bracket, AXIS T94F02D Pendant Kit with sunshield, Network Cable Coupler IP66, Network Cable Coupler Indoor, Network Cable Coupler Indoor Slim, Skin covers (White/Black)
Video management software	AXIS Companion, AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see *www.axis.com/support/downloads*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *www.axis.com/warranty*

a. *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 (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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