AXIS M3037-PVE Network Camera

Outdoor-ready fixed mini dome with panoramic view, built-in microphone and speaker

AXIS M3037-PVE is a factory-focused mini dome that provides superb image quality in daylight as well as dark conditions. It supports 360° overview, and dewarped views such as panorama, double panorama, 270° corner and quad views. The vandal-resistant camera offers full duplex audio with echo cancellation and noise reduction and it supports Session Initiation Protocol (SIP) for easy integration with IP phone systems. Support for AXIS Camera Application Platform enables video analytics applications such as people counting and cross-line detection. AXIS M3037-PVE can help detect activity, track the flow of people and improve situational awareness.

> 360°/270°/180° panoramic views in up to 5 MP resolution
> Built-in weather-proof speaker and microphone
> Echo-free two-way audio communication
> SIP for IP phone system integration
> Digital PTZ and multi-view streaming with de-warped views

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Camera

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

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) H.264 Baseline and Main Profile, Motion JPEG
Resolution	Overview: 2592x1944 (5 MP) to 160x120 Panorama: 1920x720 to 320x120 270° Corner right or left: 1920x720 to 320x120 Double Panorama: 1920x1440 to 160x120 270° Corner right and left: 1920x1440 to 160x120 Quad view: 1920x1440 to 160x120 View area 1-4: 1920x1440 to 160x90
Frame rate	12 fps in 360° overview and panoramic views
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, 270° corner, 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
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, WDR – dynamic contrast, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, privacy mask, mirroring of images
Pan/Tilt/Zoom	Digital PTZ of view areas, preset positions, guard tour. Digital PT of panorama, double panorama, 270° corner and quad views.

Audio

Audio streaming	Two-way, full duplex Echo cancellation and noise reduction
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input	Built-in microphone (can be disabled)
Audio output	Built-in speaker 84 dB (at 0.5 m / 20 in)

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP

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 Camera Connection ONVIF Profile S, specification at www.onvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
Analytics	AXIS Video motion detection, Active tampering alarm, Audio detection
	Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection and third-party applications, see www.axis.com/acap
Event triggers	Analytics, external input, edge storage events, call
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP and SNMP trap External output activation, pre- and post-alarm video buffering, overlay text, make call, PTZ preset, guard tour, video recording to edge storage
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	IP66-, NEMA 4X-, and IK10-rated impact-resistant aluminum casing with transparent, polycarbonate cover and dehumidifying membrane, captive screws (Resistorx® 10) Color: white NCS S 1002-B
Memory	512 MB RAM, 128 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max 5.1 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 Support for recording to dedicated 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, IEC 62262 IK10
Dimensions	132 x 132 x 73 mm (5 3/16 x 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, Resistorx® L-key, terminal block connector
Optional accessories	AXIS T94F02D Pendant Kit with sunshield Network Cable Coupler IP66 (can fit inside AXIS T94F02D Pendant Kit) AXIS T91 Mounting Accessories, AXIS T94F01M J-Box/Gang Box Plate, AXIS T94F01P Conduit Back Box, Skin covers For more accessories, see www.axis.com
Video management software	AXIS Companion, AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see axis.com/vms
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. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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