

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 de-warped 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		Supported	
Image sensor	1/3.2" progressive scan RGB CMOS	AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Lens	Fixed, 1.27 mm, F2.0, M12 mount, fixed iris, IR corrected Horizontal field of view: 187° Vertical field of view: 168°	Event triggers Analytics, external input, edge storage events, call	
Day and night	Automatically removable infrared-cut filter	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	
Minimum illumination	Color: 0.3-200000 lux B/W: 0.06 lux	Data streaming Event data	
Shutter time	1/24500 s to 2 s	Built-in installation aids Pixel counter	
Camera angle adjustment	Rotation ±180°	General	
Video		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	
Video compression	H.264 (MPEG-4 Part 10/AVC) H.264 Baseline and Main Profile, Motion JPEG	Memory 512 MB RAM, 128 MB Flash	
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	Power Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max 5.1 W, typical 3.4 W	
Frame rate	12 fps in 360° overview and panoramic views	Connectors Shielded 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	
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth, VBR/MBR H.264	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	
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.	Operating conditions -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10-100% RH (condensing)	
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	Storage conditions -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	
Pan/Tilt/Zoom	Digital PTZ of view areas, preset positions, guard tour. Digital PT of panorama, double panorama, 270° corner and quad views.	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	
Audio		Dimensions 132 x 132 x 73 mm (5 3/16 x 5 3/16 x 2 7/8 in)	
Audio streaming	Two-way, full duplex Echo cancellation and noise reduction	Weight 740 g (1.6 lb)	
Audio encoding	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	Included accessories Installation Guide, Windows® decoder 1-user license, drill hole template, Resistorx® L-key, terminal block connector	
Audio input	Built-in microphone (can be disabled)	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 axis.com	
Audio output	Built-in speaker 84 dB (at 0.5 m / 20 in)	Video management software AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms	
Network		Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
Security	Password protection, IP address filtering, HTTPS ³ encryption, IEEE 802.1X ^a network access control, digest authentication, user access log	Warranty 5-year warranty, see axis.com/warranty	
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP	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 (ey@cryptsoft.com).	
System integration		Environmental responsibility: axis.com/environmental-responsibility	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile S, specification at 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	Included AXIS Video motion detection, Active tampering alarm, Audio detection		