

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**



AXIS M3037-PVE Network Camera

| 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 ³ 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 TM , 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 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 |
| Supported | AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see 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 (Resistor [®] 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 | 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 |
| 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) |
| Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-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, Resistor [®] 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 axis.com |
| Video management software | AXIS Companion, 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 | Axis 3-year warranty and AXIS Extended Warranty option, see 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 (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility