

# AXIS M3057-PLVE Mk II Network Camera

## 6 MP outdoor-ready dome with 360° panoramic view

With its 6 MP sensor, AXIS M3057-PLVE Mk II offers excellent image quality and a complete 180° or 360° overview, indoors or out, around the clock. Perfect for video analytics, this compact mini dome also offers dewarped views such as panorama, quad, corner, and corridor views directly from the camera. It includes Axis Lightfinder and Axis Forensic WDR for true colors and great details in challenging light or near darkness. And, Axis OptimizedIR allows for surveillance in pitch darkness. Furthermore, enhanced security functionality prevents unauthorized access and safeguards your system.

- > [Complete 180° and 360° overview](#)
- > [Lightfinder, Forensic WDR, and OptimizedIR](#)
- > [Digital PTZ and dewarped views](#)
- > [Factory-focused with digital roll](#)
- > [Enhanced security features](#)



# AXIS M3057-PLVE Mk II Network Camera

<b>Camera</b>		Video streaming indicator IR illumination
<b>Image sensor</b>	1/1.8" progressive scan RGB CMOS	
<b>Lens</b>	1.56 mm, F2.0 Horizontal field of view: 183° Vertical field of view: 183° Fixed iris, fixed focus, IR corrected	<b>Event conditions</b> Analytics, edge storage events, virtual inputs through API, supervised external inputs, open casing MQTT subscribe
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Event actions</b> Record video: SD card and network share MQTT publish Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, zoom preset, day/night mode
<b>Minimum illumination</b>	Color: 0.16 lux at 50 IRE, F2.0 B/W: 0.03 lux at 50 IRE, F2.0 0 lux with IR illumination on	<b>Built-in installation aids</b> Pixel counter, digital roll, repositioning of quad views, digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views
<b>Shutter speed</b>	1/16000 s to 1 s	
<b>Camera angle adjustment</b>	Digital roll: ± 180°	
<b>System on chip (SoC)</b>		<b>Analytics</b>
<b>Model</b>	ARTPEC-7	<b>Applications</b> Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm Supported AXIS People Counter, AXIS Occupancy Estimator, AXIS Queue Monitor Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Video</b>		<b>Cybersecurity</b>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	<b>Edge security</b> Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), secure keystore, secure boot
<b>Resolution</b>	Overview: 2016x2016 to 160x160 Panorama: 2560x1440 to 192x72 Double Panorama: 2560x1920 to 384x288 Quad view: 2560x1920 to 384x288 View area 1-4: 1920x1440 to 256x144 Corner right/left: 2368x1184 to 384x288 Double corner: 2016x2016 to 384x288 Corridor: 2560x1920 to 256x144	<b>Network security</b> IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
<b>Frame rate</b>	360° overview only, up to 2016x2016 without WDR: 50/60 fps @ 50/60 Hz 360° overview and dewarped views up to max resolution with WDR: up to 25/30 fps @ 50/60 Hz	<b>Documentation</b> <i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="http://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="http://axis.com/cybersecurity">axis.com/cybersecurity</a>
<b>Video streaming</b>	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode	<b>General</b>
<b>Multi-view streaming</b>	360° overview, dewarped panorama, corridor, corner left/right and quad views. Up to 4 individually cropped out and dewarped view areas. All different views can be streamed simultaneously. When streaming 4 dewarped view areas and one 360° overview in max resolution: up to 19 fps per stream.	<b>Casing</b> IP66-, NEMA 4X- and IK10-rated Polycarbonate hard coated dome Aluminum Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
<b>Image settings</b>	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), exposure zones, Forensic WDR: up to 120 dB depending on scene, fine tuning of low-light behavior, dynamic text and image overlay, mirroring, digital roll, polygon privacy masks	<b>Sustainability</b> PVC free
<b>Pan/Tilt/Zoom</b>	Digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views, preset positions, guard tours	<b>Power</b> Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 8.0 W, max 11.9 W
<b>Network</b>		<b>Connectors</b> Shielded RJ45 10BASE-T/100BASE-TX PoE Terminal block for 1 alarm input and 1 output (12 V DC output, max. load 25 mA)
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	<b>IR illumination</b> OptimizedIR with with power-efficient, long-life 850 nm IR LEDs Range of reach 20 m (66 ft) or more depending on scene
<b>System integration</b>		<b>Storage</b> Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Guardian with One-Click Connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, ONVIF® Profile T specification at <a href="http://onvif.org">onvif.org</a> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX	<b>Operating conditions</b> -40 °C to 50 °C (-40 °F to 122 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)
<b>Onscreen controls</b>	Day/night shift Wide dynamic range	

	Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
<b>Approvals</b>	<b>EMC</b> EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 EN 50121-4, IEC 62236-4 <b>Safety</b> IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IEC/EN 62471, IS 13252 <b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, 60068-2-78, IEC/EN 60529 IP66, IEC/EN 62262 IK10, IEC 60721-3-5 Class 5M3 (vibration and shock), NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) <b>Network</b> NIST SP500-267
<b>Cybersecurity</b>	ETSI EN 303 645
<b>Dimensions</b>	Height: 66 mm (2.5 in) ø 149 mm (5.8 in)

<b>Weight</b>	700 g (1.5 lb)
<b>Included accessories</b>	Installation guide, Windows® decoder 1-user license, drill hole template, cable gaskets, connector guard, I/O connector, RESISTORX® TR20 bit, mounting bracket, cable hole lid, view protector
<b>Optional accessories</b>	AXIS T94T02D Pendant kit with weathershield AXIS Surveillance Cards AXIS TM3808-E Skin Cover Black AXIS Mounts & Cabinets AXIS T6101 Audio and I/O Interface AXIS T6112 Audio and I/O Interface AXIS T94S02L Recessed Mount Kit For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Video management software</b>	AXIS Device Manager, AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>