

AXIS M3057-PLR Mk II Dome Camera

6 MP panoramic onboard camera

Specifically designed for onboard surveillance, this ruggedized panoramic camera complies with transportation industry standards including EN 50155 and EN 45545-2. Featuring a 6 MP sensor, it delivers a complete 180° or 360° overview. This compact mini dome also offers dewarped views such as panorama, quad, corner, and corridor views directly from the camera. Including Lightfinder, Forensic WDR, and OptimizedIR it ensures great image quality under any light conditions. Furthermore, it includes built-in cybersecurity features to safeguard your system. For instance, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network.

- > **Complete 180° and 360° overview**
- > **Optimized for transportation industry**
- > **Forensic WDR, Lightfinder, OptimizedIR**
- > **Factory-focused with digital roll**
- > **Built-in cybersecurity features**



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Camera		
Image sensor	1/1.8" progressive scan RGB CMOS	
Lens	1.56 mm, F2.0 Horizontal field of view: 183° Vertical field of view: 183° Fixed iris, fixed focus, IR corrected	ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T 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
Day and night	Automatically removable infrared-cut filter	Onscreen controls Day/night shift Wide dynamic range Video streaming indicator IR illumination
Minimum illumination	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	Event conditions Analytics, edge storage events, virtual inputs through API, supervised external inputs, open casing Call: state, state change Device status: above operating temperature, above or below operating temperature, below operating temperature, casing open, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: digital input, manual trigger, virtual input MQTT subscribe PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open, tampering MQTT subscribe
Shutter speed	1/16000 s to 1 s	
Camera angle adjustment	Digital roll: ± 180°	
System on chip (SoC)		
Model	ARTPEC-7	
Memory	1024 MB RAM, 512 MB Flash	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
Resolution	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	Event actions Calls: answer call, end SIP call, make SIP call Day-night mode Guard tour I/O IR illumination MQTT publish Overlay text Preset positions Recordings WDR mode Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP, SNMP trap messages
Frame rate	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	
Video streaming	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 Video streaming indicator	Data streaming Event data
Multi-view streaming	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.	Built-in installation aids Pixel counter, digital roll, repositioning of quad views, digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views
Image settings	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	Analytics
Pan/Tilt/Zoom	Digital PTZ, optical zoom, preset positions, limited guard tour, control queue, on-screen directional indicator Tour recording (max 10, max duration 16 minutes each), guard tour (max 100), adjustable zoom speed	Applications Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS People Counter, AXIS Occupancy Estimator, AXIS Queue Monitor Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Network		Cybersecurity
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, user access log, centralized certificate management	Edge security 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+), Axis device ID, secure keystore, signed video, secure boot
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^b , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMP, RTCP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	Network security IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) ^a , IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall
System integration		Documentation <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 axis.com/support/cybersecurity/resources
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection	

To read more about Axis cybersecurity support, go to axis.com/cybersecurity

General	
Casing	IP66/67-, 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.
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 8.2 W, max 12.2 W
Connectors	M12: female, rugged, D-coded with rotatable coupling nut
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 20 m (66 ft) or more depending on scene
Storage	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 axis.com
Operating conditions	-40 °C to 55 °C (-40 °F to 131 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Maximum temperature (intermittent): 70 °C (158 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °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 RCM AS/NZS CISPR 32 Class A, ECE R10 rev.06 (E approval), EN 50498, EN 55035, EN 55032 Class A, EN 50121-4, EN 50121-3-2, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KS C 9835KS C 9832 Class A, VCCI Class A Safety CAN/CSA C22.2 No. 62368-1 ed. 3,

CAN/CSA-C22.2 No. 60950-22, EN 45545-2, IEC 62471 risk group exempt, IEC/EN/UL 62368-1 ed. 3, UN ECE R118, IS 13252, NFPA 130

Environment

EN 50155:2017 OT2/ST2 (2007: Class TX), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-64, IEC 60721-3-5 Class 5M3 (vibration and shock), IEC/EN 61373 Category 1 Class B, IEC/EN 62262 IK10, IEC/EN 60529 IP66, IEC/EN 60529 IP67, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)

Network

NIST SP500-267

Other

IEC/EN 63000:2018

Cybersecurity	ETSI EN 303 645
Dimensions	Height: 66 mm (2.5 in) ø 149 mm (5.8 in)
Weight	760 g (1.68 lb)
Included accessories	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
Optional accessories	AXIS M30 Skin Cover A Black For more accessories, see axis.com
Video management software	AXIS Device Manager, 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, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).