

AXIS P3925-LRE Network Camera

Onboard camera for exterior monitoring

AXIS P3925-LRE specially designed for side view monitoring on buses, trains, and transportation vehicles. It can also be used for identifying maintenance needs on rolling stock, for example, wear and tear of pantograph collector strips. This robust and compact camera features a tempered glass window and complies with transport industry standards and IK10+, IP66, IP67, and IP6K9K. It delivers HDTV 1080p with Lightfinder for color images in poor light and Forensic WDR for maximal forensic usability in mixed light conditions. Plus, built-in IR Illumination enables monitoring in complete darkness. Furthermore, it supports exchangeable lenses for full flexibility.

- > [Complies with EN50155 and EN45545-2](#)
- > [IR illumination and EIS](#)
- > [Lightfinder and Forensic WDR](#)
- > [Low latency mode](#)
- > [Built-in cybersecurity features](#)



AXIS P3925-LRE Network Camera

Models	AXIS P3925-LRE RJ45 AXIS P3925-LRE M12	Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption I/O: manual trigger, virtual input MQTT subscribe Scheduled and recurring: scheduled event Video: average bitrate degradation, day-night mode, live stream open, tampering
Camera		Event actions	Day-night mode Defog Guard tours Upload images or video clips: FTP, HTTP, HTTPS, SFTP, email and network share Notification: HTTP, HTTPS, TCP and email Overlay text Preset positions Record video: SD card and network share SNMP trap messages WDR mode MQTT publish
Image sensor	1/2.9" Progressive scan RGB CMOS	Data streaming	Event data
Lens	6.0 mm, F1.9 Horizontal field of view: 56° Vertical field of view: 30° M12 mount, fixed iris See Optional accessories for exchangeable lenses	Built-in installation aids	Pixel counter
Minimum illumination	Color: 0.07 lux at 30 IRE F1.9 B/W: 0.02 lux at 30 IRE F1.9, 0 lux with IR illumination on Color: 0.14 lux at 50 IRE F1.9 B/W: 0.04 lux at 50 IRE F1.9, 0 lux with IR illumination on	Analytics	
Shutter speed	1/33500 s to 2 s	Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, shock detection Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Camera angle adjustment	Pan: ±20° Tilt: 0-15° Rotation: ±175°	General	
System on chip (SoC)		Casing	IP66/67-, NEMA 250 4X-, IP6K9K- and IK10+-rated aluminum casing with AR-coated tempered glass
Model	ARTPEC-7	Sustainability	PVC free
Memory	1 GB RAM, 512 MB Flash	Mounting	Outside vehicles and rolling stock
Video		Memory	
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	Power	Camera: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 IR illumination on: typical 6.3 W, max 11.8 W Heater: 24 V DC, max 53.4 W
Resolution	1280x960 to 160x120 1920x1080 to 160x90	Connectors	RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE
Wide dynamic range	Forensic WDR	IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 20 m (65.6 ft) or more depending on the scene
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions 45 fps in 720p Capture mode 2MP 1920x1080 (16:9) @25/30 fps Capture mode 1MP 1280x720 (16:9) @45 fps	Storage	Support for microSD/microSDHC/microSDXC card with UHS Speed Class U1 Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
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 and H.265 Video streaming indicator Low latency mode	Operating conditions	Normal: -40 °C to 55 °C (-40 °F to 131 °F) Maximum (intermittent): 70 °C (158 °F) Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity: 10-100% RH (condensing)
Multi-view streaming	Up to 8 individually cropped out view areas	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Image settings	Compression, brightness, sharpness, contrast, white balance, Forensic WDR, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format, dynamic overlay, 20 individual polygonal privacy mask, mirroring of images, defogging, electronic image stabilization ^a Scene profiles: forensic, vivid, traffic overview	Approvals	EMC EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35, EN 50121-4, EN 50121-3-2, IEC 62236-4, ECE R10 rev.06 (E approval), EN 50498 Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22, EN 45545-2, UN ECE R118, IS 13252, IEC 62471 Environment IEC/EN 61373 Category 1 Class B, IEC/EN 60529 IP66, IEC/EN 60529 IP67, NEMA 250 Type 4X, ISO 20653 IP6K9K, IEC/EN 62262 IK10+,
Pan/Tilt/Zoom	Digital PTZ, preset positions, guard tour, control queue		
Network			
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1x (EAP-TLS) ^b network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, firmware with Long Term Support (LTS) firmware ^c		
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^b , HTTP/2, SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^d , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)		
System integration			
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile S and ONVIF [®] Profile T, specification at onvif.org		

	IEC 60721-3-5 Class 5M3 (vibration and shock), EN 50155:2017 OT2/ST2, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-64 Network NIST SP500-267
Dimensions	160 x 116 x 63 mm (6.30 x 4.57 x 2.48 in)
Weight	RJ45: 770 g (1.70 lb) M12: 780 g (1.72 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, lens tool, Resistorx® L-key, masking kit
Optional accessories	Lenses Lens M12 3.6 mm F1.8 IR: horizontal field of view 86°, vertical field of view 46° Lens M12 8 mm F1.8 IR: horizontal field of view 41°, vertical field of view 22° Other RJ45: Network coupler IP66, network cable coupler indoor

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	5-year warranty, see axis.com/warranty

- a. *Use this function only when camera is directed to capture scenes outside of the vehicle*
- b. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
- c. *In the LTS track for firmware upgrades, improvements are focused on cybersecurity and stability. New features are available in the firmware from the Active track*

Environmental responsibility:

axis.com/environmental-responsibility