

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	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		
Image sensor	1/2.9" Progressive scan RGB CMOS	
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	
Day and night	Automatically removable infrared-cut filter	
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	
Shutter speed	1/33500 s to 2 s	
Camera angle adjustment	Pan: ±20° Tilt: 0-15° Rotation: ±175°	
System on chip (SoC)		
Model	ARTPEC-7	
Memory	1 GB 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	1280x960 to 160x120 1920x1080 to 160x90	
WDR	Forensic WDR	
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	
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	
Multi-view streaming	Up to 8 individually cropped out view areas	
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	
Pan/Tilt/Zoom	Digital PTZ, preset positions, guard tour, control queue	
Network		
Security	IP address filtering, HTTPS ^b encryption, IEEE 802.1x (EAP-TLS) ^b network access control, user access log, centralized certificate management	
Network protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^b , HTTP/2, TLS ^b , 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, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), 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 M, ONVIF [®] Profile S and ONVIF [®] Profile T, specification at onvif.org	
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address	
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	
Data streaming	Event data	
Built-in installation aids	Pixel counter	
Analytics		
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, shock detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Cybersecurity		
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot	
Network security	IEEE 802.1X (EAP-TLS) ^b , HTTPS/HSTS ^b , TLS v1.2/v1.3 ^b , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering	
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 To read more about Axis cybersecurity support, go to axis.com/cybersecurity	
General		
Casing	IP66/67-, NEMA 250 4X-, IP6K9K- and IK10+-rated aluminum casing with AR-coated tempered glass	
Sustainability	PVC free	
Mounting	Outside vehicles and rolling stock	
Memory		
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	
Connectors	RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE	
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	
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	
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)	
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	

Approvals	<p>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</p> <p>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</p> <p>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+, 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</p> <p>Network NIST SP500-267</p>	<p>Included accessories Installation guide, Windows® decoder 1-user license, drill hole template, lens tool, Resistorx® L-key, masking kit</p> <p>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</p> <p>Video management software AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms</p> <p>Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese</p> <p>Warranty 5-year warranty, see axis.com/warranty</p>
Dimensions	160 x 116 x 63 mm (6.30 x 4.57 x 2.48 in)	
Weight	<p>RJ45: 770 g (1.70 lb)</p> <p>M12: 780 g (1.72 lb)</p>	<p>a. <i>Use this function only when camera is directed to capture scenes outside of the vehicle</i></p> <p>b. <i>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).</i></p>