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
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, 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 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 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
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	*AXIS OS Hardening Guide* *Axis Vulnerability Management Policy* *Axis Security Development Model* 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	OptimizedIR 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	**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+, 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).*

Environmental responsibility:

axis.com/environmental-responsibility