

AXIS P3935-LR Network Camera

Best-in-class dome with IR for advanced onboard surveillance

Specifically designed for onboard surveillance, AXIS P3935-LR complies with all relevant transportation industry regulations including EN50155, EN45545, and NFPA 130. Featuring Axis Lightfinder and Axis Forensic WDR, it delivers true colors and great detail in challenging light or near darkness. It includes built-in invisible IR LEDs (940 nm) for video surveillance in complete darkness. Enclosed in an IK10-, IP66-, IP67-rated metal casing, this robust, vandal-resistant camera features a built-in microphone for audio surveillance and detection. Furthermore, enhanced security features prevent unauthorized access and safeguard your system.

- > **Vandal-resistant, metal casing**
- > **Complies with EN50155, EN45545, and NFPA 130**
- > **Lightfinder and Forensic WDR**
- > **Invisible IR LEDs, built-in microphone, and EIS**
- > **Enhanced security features**



AXIS P3935-LR Network Camera

Models	AXIS P3935-LR RJ45 AXIS P3935-LR M12	ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org
Camera		
Image sensor	1/2.9" Progressive scan RGB CMOS	
Lens	2.8 mm, F1.6 Horizontal field of view: 110° Vertical field of view: 62° M12 mount, fixed iris See Optional accessories for exchangeable lenses	
Day and night	Automatically removable infrared-cut filter	
Minimum illumination	Color: 0.06 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6, 0 lux with IR illumination on Color: 0.12 lux at 50 IRE F1.6 B/W: 0.02 lux at 50 IRE F1.6, 0 lux with IR illumination on	
Shutter time	1/33500 s to 2 s	
Camera angle adjustment	Pan: ±30° Tilt: 15-90° Rotation: ±175°	
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	
Wide dynamic range	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	
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	
Audio		
Audio streaming	Audio in, simplex	
Audio encoding	AAC- LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz Configurable bit rate	
Audio input/output	External microphone input or line input, built-in microphone	
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, Bonjour, UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog	
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	
Analytics	Included AXIS Video Motion Detection, active tampering alarm ^d , blocked view detection ^e , shock detection, audio detection Supported AXIS Motion Guard, AXIS Loitering Guard, AXIS Fence Guard Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
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 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	
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 Play audioclips Preset positions Record video: SD card and network share SNMP trap messages WDR mode	
Data streaming	Event data	
Built-in installation aids	Pixel counter	
General		
Casing	IP66/67-, NEMA 250 4X- and IK10-rated aluminum casing, polycarbonate clear dome	
Sustainability	PVC free	
Mounting	Inside vehicles and rolling stock	
Memory	1 GB RAM, 512 MB Flash	
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 IR illumination on: typical 6.6 W, max 11.8 W	
Connectors	RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE 3.5 mm audio in connector, mono I/O 4-pin, 1 input, 1 output + 12 V DC/15 mA	
IR illumination	Optimized IR with power-efficient, long-life 940 nm IR LEDs Range of reach 15 m (49 ft) or more depending on the scene	
Storage	Support for microSD/microSDHC/microSDXC card and encryption Support for SD card with UHS Speed Class U1 Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	
Operating conditions	Normal, IR off: -40 °C to 55 °C (-40 °F to 131 °F) Normal, IR on: -40 °C to 45 °C (-22 °F to 113 °F) Maximum (intermittent): 70 °C (158 °F) Arctic Temperature Control: start-up at -40 °C (-40 °F) Humidity: 10-95% RH (non-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.05 (E approval), EN 50498 Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, EN 45545, UN ECE R118, NFPA 130, IEC 62471 Environment	

	IEC/EN 61373 Category 1 Class B, IEC/EN 60529 IP66, IEC/EN 60529 IP67, NEMA 250 Type 4X, IEC/EN 62262 IK10, IEC 60721-3-5 Class 5M3 (vibration and shock), EN 50155 Class OT2/ST2 (2017 Class TX), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-64, IEC 60068-2-78 Network NIST SP500-267
Dimensions	Height: 49.4 mm (1.94 in), ø 110 mm (4.33 in)
Weight	RJ45: 400 g (0.88 lb) M12: 410 g (0.90 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, lens tool, Resistorx® L-key
Optional accessories	Lenses Lens M12 2.1 mm F1.8 IR: horizontal field of view 145° Lens M12 3.6 mm F1.8 IR: horizontal field of view 87° Lens M12 6 mm, F1.9 IR: horizontal field of view 56° Lens M12 8 mm F1.8 IR: horizontal field of view 40° Other AXIS T94D02S Curved Mount Bracket, 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

- Use this function only when camera is directed to capture scenes outside of the vehicle*
- 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).*
- 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*
- For detection of tampering attempts in static and non-crowded scenes.*
- For detection of tampering attempts in onboard environments.*

Environmental responsibility:

axis.com/environmental-responsibility