

# AXIS P3925-R Network Camera

Best-in-class dome for advanced onboard surveillance

Specifically designed for onboard surveillance, AXIS P3925-R 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. Enclosed in an IK10-, IP66-, IP67-rated metal casing, this robust, vandal-resistant camera offers extended capabilities for analytics. 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**
- > **Electronic image stabilization**
- > **Enhanced security features**



# AXIS P3925-R Network Camera

<b>Models</b>	AXIS P3925-R RJ45 AXIS P3925-R 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
<b>Camera</b>		
<b>Image sensor</b>	1/2.9" Progressive scan RGB CMOS	
<b>Lens</b>	2.8 mm, F1.6 Horizontal field of view: 110° Vertical field of view: 62° M12 mount, fixed iris See <b>Optional accessories</b> for exchangeable lenses	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	Color: 0.06 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 Color: 0.12 lux at 50 IRE F1.6 B/W: 0.02 lux at 50 IRE F1.6	
<b>Shutter speed</b>	1/33500 s to 2 s	
<b>Camera angle adjustment</b>	Pan: ±30° Tilt: 15-90° Rotation: ±175°	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1 GB RAM, 512 MB Flash	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	1280x960 to 160x120 1920x1080 to 160x90	
<b>WDR</b>	Forensic WDR	
<b>Frame rate</b>	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	
<b>Video streaming</b>	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	
<b>Multi-view streaming</b>	Up to 8 individually cropped out view areas	
<b>Image settings</b>	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 <sup>a</sup> Scene profiles: forensic, vivid, traffic overview	
<b>Pan/Tilt/Zoom</b>	Digital PTZ, preset positions, guard tour, control queue	
<b>Network</b>		
<b>Security</b>	IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>b</sup> network access control, user access log, centralized certificate management	
<b>Network protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>b</sup> , HTTP/2, TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , 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)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>	
<b>Event conditions</b>	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address	
<b>Event actions</b>	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	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter	
<b>Analytics</b>		
<b>Applications</b>	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm <sup>c</sup> , blocked view detection <sup>d</sup> , shock detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>	
<b>Cybersecurity</b>		
<b>Edge security</b>	<b>Software:</b> Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption <b>Hardware:</b> Secure boot	
<b>Network security</b>	IEEE 802.1X (EAP-TLS) <sup>b</sup> , HTTPS/HSTS <sup>b</sup> , TLS v1.2/v1.3 <sup>b</sup> , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering	
<b>Documentation</b>	<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 <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>	
<b>General</b>		
<b>Casing</b>	IP66/67-, NEMA 250 4X- and IK10-rated aluminum casing, polycarbonate clear dome	
<b>Sustainability</b>	PVC free	
<b>Mounting</b>	Inside vehicles and rolling stock	
<b>Memory</b>		
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 4.2 W, max 6.4 W	
<b>Connectors</b>	RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE	
<b>Storage</b>	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 <a href="https://axis.com">axis.com</a>	
<b>Operating conditions</b>	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)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	
<b>Approvals</b>	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, EN 45545,  
 UN ECE R118, NFPA 130, IS 13252  
**Environment**  
 IEC/EN 61373 Category 1 Class B,  
 IEC/EN 60529 IP66, IEC/EN 60529 IP67, parts of  
 NEMA 250 Type 4X (ingress of water and gasket test),  
 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, IEC 60068-2-78  
**Network**  
 NIST SP500-267

<b>Dimensions</b>	Height: 49.4 mm (1.94 in), ø 110 mm (4.33 in)
<b>Weight</b>	RJ45: 400 g (0.88 lb) M12: 410 g (0.90 lb)
<b>Included accessories</b>	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 T94D01S Mount Bracket,  
 AXIS T94D02S Curved Mount Bracket, Network coupler IP66,  
 network cable coupler indoor  
 For more accessories, see [axis.com](http://axis.com)

#### Video management software

AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at [axis.com/vms](http://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](http://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).*
- For detection of tampering attempts in static and non-crowded scenes.*
- For detection of tampering attempts in onboard environments.*