

AXIS P3905-RE Network Camera

High-performance outdoor-ready camera for onboard surveillance

AXIS P3905-RE is specially designed for HDTV 1080p video surveillance in or on buses, trains, subway cars and emergency vehicles. The compact and rugged, outdoor-ready camera meets IP6K9K, and can withstand tough conditions such as vibrations, shocks and temperature fluctuations. AXIS P3905-RE is specially adapted to respond quickly to changes in light levels, ensuring that high image quality is maintained. Traffic Light mode helps distinguishing colors of traffic lights in very dark scenes. The pixel counter helps verifying that the pixel resolution of an object meets specific customer requirements.

- > **Outdoor-ready**
- > **Compact, rugged design**
- > **HDTV video quality**
- > **Traffic Light mode**
- > **Edge storage**



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Models	AXIS P3905-RE: RJ45 AXIS P3905-RE: M12	PTZ: PTZ preset, start/stop guard tour Overlay text	
Camera			
Image sensor	1/2.8" Progressive scan RGB CMOS	Data streaming Event data	
Lens	6 mm, F1.6 Horizontal field of view: 56° Vertical field of view: 33° M12 mount, fixed iris See Optional accessories for exchangeable lenses	Built-in installation aids Pixel counter	
Minimum illumination	Color: 0.2 lux	General	
Shutter time	1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz	Casing Aluminum and polycarbonate casing	
Camera angle adjustment	Pan: ±20° Tilt: 15-90° Rotation: ±175°	Sustainability PVC free	
Video			
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Mounting Inside and outside vehicles and rolling stock	
Resolution	1920x1080 to 160x90	Memory 256 MB RAM, 128 MB Flash	
Wide dynamic range	WDR - forensic capture	Power Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W	
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	Connectors RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE	
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264	Storage Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com	
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, WDR - dynamic contrast, backlight compensation, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format, text and image overlay, privacy mask, mirroring of images, Traffic Light mode	Operating conditions -30 °C to 55 °C (-22 °F to 131 °F) Humidity: 10-100% RH (condensing)	
Pan/Tilt/Zoom	Digital PTZ, preset positions, Guard tour, control queue	Storage conditions -40 °C to 65 °C (-40 °F to 149 °F)	
Network			
Security	Password protection, IP address filtering, HTTPS ^a encryption, network access control, digest authentication, user access log, centralized certificate management, signed firmware, secure boot	Approvals EMC EN 55022 Class B, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, EN 50121-4, EN 50121-3-2, IEC 62236-4, ECE R10 rev.04 (E approval), EN 50498	
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SRTP, SSH	Safety IEC/EN/UL 60950-1, EN 45545 Environment IEC 60529 IP67, NEMA 250 Type 4X, EN 50155 Class T3ISO 20653 IP6K9K, IEC/EN 62262 IK09, IEC 60721-3-5 Class 5M3 (vibration and shock), IEC 60068-2-27, IEC 60068-2-64, EN 50581	
System integration			
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Guardian with One-Click Connection ONVIF [®] Profile G and ONVIF [®] Profile S, specification at www.onvif.org	Dimensions Height: 56 mm (2 1/4 in), ø 150 mm (5 7/8 in)	
Analytics	Included AXIS Video Motion Detection, active tampering alarm ^b Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	Weight 540 g (1.19 lb)	
Event triggers	Analytics, time scheduled, edge storage events	Included accessories Installation guide, Windows decoder 1-user license, drill hole template, top cover tool, lens tool, Allen key Resistorx [®]	
Event actions	Record video: SD card and network share Upload images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap	Optional accessories Lenses 6 mm, F1.6: horizontal field of view 52° 8 mm, F1.6: horizontal field of view 40° Other AXIS T94D01S Mount Bracket, AXIS T94D02S Mount Bracket, Network coupler IP66, Network cable coupler indoor For more accessories, see www.axis.com	
		Video management software AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads	
		Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
		Warranty Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty	

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eyay@cryptsoft.com).
b. For detection of tampering attempts in static and non-crowded scenes.

Environmental responsibility:

axis.com/environmental-responsibility