

AXIS P3905-R Network Camera

High-performance full HDTV camera for onboard surveillance

AXIS P3905-R is specially designed for HDTV 1080p video surveillance in buses, trains, subway cars and emergency vehicles. The compact, rugged and discreet indoor camera has IP67-rated protection against dust and water, and can withstand tough conditions such as vibrations, shocks and temperature fluctuations. AXIS P3905-R 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.

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



AXIS P3905-R Network Camera

Models	AXIS P3905-R: RJ45 AXIS P3905-R: M12	Data streaming	Event data
Camera		Built-in installation aids	Pixel counter
Image sensor	1/2.8" Progressive scan RGB CMOS	General	
Lens	3.6 mm, F2.0 Horizontal field of view: 87° Vertical field of view: 47° M12 mount, fixed iris See Optional accessories for exchangeable lenses	Casing	Aluminum and polycarbonate casing
Minimum illumination	Color: 0.2 lux	Sustainability	PVC free
Shutter time	1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz 1/32500 s to 2 s	Mounting	Inside vehicles and rolling stock ^c
Camera angle adjustment	Pan: ±30° Tilt: 15-90° Rotation: ±175°	Memory	256 MB RAM, 128 MB Flash
Video		Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Connectors	RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE
Resolution	1920x1080 to 160x90	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
Wide dynamic range	WDR - forensic capture	Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity: 10-95% RH (non-condensing)
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264	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 Safety IEC/EN/UL 60950-1, EN 45545 Environment IEC 60529 IP67, NEMA 250 Type 4X, IEC/EN 62262 IK08, EN 50155 Class T3, IEC 60721-3-5 Class 5M3 (vibration and shock), IEC 60068-2-27, IEC 60068-2-64, EN 50581
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	Dimensions	Height: 49 mm (1 15/16 in), ø 109 mm (4 3/16 in)
Pan/Tilt/Zoom	Digital PTZ, preset positions Guard tour, control queue	Weight	RJ45: 269 g (0.59 lb) M12: 277 g (0.61 lb)
Network		Included accessories	Installation guide, Windows decoder 1-user license, drill hole template, top cover tool, lens tool, Allen key Resistorx [®]
Security	Password protection, IP address filtering, HTTPS ^a encryption, network access control, digest authentication, user access log, centralized certificate management	Optional accessories	Lenses 2.1 mm, F2.2: horizontal field of view 148° 2.8 mm, F2.0: horizontal field of view 105° 6 mm, F1.6: horizontal field of view 52° 8 mm, F1.6: horizontal field of view 40° Other AXIS T96B05 Outdoor Housing, AXIS T94D01S Mount Bracket, AXIS T94D02S Mount Bracket, Network coupler IP66, Network cable coupler indoor For more accessories, see www.axis.com
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, SSH	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
System integration		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile S and ONVIF [®] Profile G, specification at www.onvif.org	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
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	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 (ey@cryptsoft.com). b. For detection of tampering attempts in static and non-crowded scenes. c. For outdoor applications, use AXIS T96B05 Outdoor Housing.	
Event triggers	Analytics, time scheduled, edge storage events	Environmental responsibility: www.axis.com/environmental-responsibility	
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 PTZ: PTZ preset, start/stop guard tour Overlay text		