

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 or on buses, trains, subway cars and emergency vehicles. The compact, rugged and discreet camera has IP67-rated protection against dust and water, and can withstand tough conditions such as vibrations, shocks and temperature fluctuations. The active tampering alarm detects tampering attempts, such as blocking or spray-painting. 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	Built-in installation aids	Pixel counter
Camera		General	
Image sensor	1/2.8" Progressive scan RGB CMOS	Casing	Aluminum and polycarbonate casing
Lens	3.6 mm, F2.0, Horizontal field of view: 87° Vertical field of view: 47° M12 mount, fixed iris	Sustainability	PVC free
Minimum illumination	Color: 0.2 lux	Memory	256 MB RAM, 128 MB Flash
Shutter time	1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W
Camera angle adjustment	Pan: ±30° Tilt: 15-90° Rotation: ±175°	Connectors	RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE
Video		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
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Operating conditions	-30°C to 60°C (-22°F to 140°F) Humidity: 10-95% RH (non-condensing)
Resolutions	1920x1080 to 160x90	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Frame rate	Up to 30 fps in all resolutions	Approvals	EMC EN 55022 Class B, EN 55024, EN 50581, 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, 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
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264	Dimensions	Height: 49 mm (1 15/16 in) ø 109 mm (4 3/16 in)
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	Weight	RJ45: 269 g (0.59 lb) M12: 277 g (0.61 lb)
Pan/Tilt/Zoom	Digital PTZ, preset positions Guard tour, control queue	Included accessories	Installation guide, Windows decoder 1-user license, drill hole template, top cover tool, lens tool, Allen key Resistorx®
Network		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 External Housing, AXIS T94D01S Mounting Bracket, AXIS T94D02S Mounting Bracket, Network coupler IP66, Network cable coupler indoor For more accessories, see www.axis.com
Security	Password protection, IP address filtering, HTTPS ^a encryption, network access control, digest authentication, user access log, centralized certificate management	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
System integration		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
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	a. <i>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).</i>	
Analytics	Included AXIS Video Motion Detection, active tampering alarm, audio detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	Environmental responsibility: www.axis.com/environmental-responsibility	
Event triggers	Analytics, time scheduled, edge storage events		
Event actions	Overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP		
Data streaming	Event data		