

## AXIS P3904-R Network Camera

High-performance HDTV camera for onboard surveillance

AXIS P3904-R is specially designed for HDTV 720p 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 P3904-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 P3904-R Network Camera

<b>Models</b>	AXIS P3904-R: RJ45 AXIS P3904-R: M12	<b>Data streaming</b>	Event data
<b>Camera</b>		<b>Built-in installation aids</b>	Pixel counter
<b>Image sensor</b>	1/2.8" Progressive scan RGB CMOS	<b>General</b>	
<b>Lens</b>	3.6 mm, F2.0, Horizontal field of view: 87° Vertical field of view: 47° M12 mount, fixed iris	<b>Casing</b>	Aluminum and polycarbonate casing
<b>Minimum illumination</b>	Color: 0.2 lux	<b>Sustainability</b>	PVC free
<b>Shutter time</b>	1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz	<b>Memory</b>	256 MB RAM, 128 MB Flash
<b>Camera angle adjustment</b>	Pan: ±30° Tilt: 15-90° Rotation: ±175°	<b>Power</b>	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W
<b>Video</b>		<b>Connectors</b>	RJ45: Male RJ45 10BASE-T/100BASE-TX M12: Rugged, Female, D-coded M12 connector with rotatable coupling nut All connectors support Power over Ethernet
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations
<b>Resolutions</b>	1280x720 to 160x90	<b>Operating conditions</b>	-30°C to 60°C (-22°F to 140°F) Humidity: 10% - 95% RH (non-condensing)
<b>Frame rate</b>	Up to 30 fps in all resolutions	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264	<b>Approvals</b>	<b>EMC</b> 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 <b>Safety</b> IEC/EN/UL 60950-1 <b>Environment</b> IEC 60529 IP67, NEMA 250 Type 4X, IEC/EN 62262 IK08, EN 50155 Class T3, EN 45545, EN 50498, EN 50121-4, IEC 62236-4, ECE R10 rev.04 (E approval)
<b>Image settings</b>	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Wide Dynamic Range-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	<b>Dimensions</b>	Height: 49 mm (1 15/16 in) ø 109 mm (4 3/16 in)
<b>Pan/Tilt/Zoom</b>	Digital PTZ, Preset Positions, Guard Tour, Control Queue	<b>Weight</b>	RJ45: 269 g (0.59 lb) M12: 277 g (0.61 lb)
<b>Network</b>		<b>Included accessories</b>	Installation guide, Windows decoder 1-user license, Drill hole template, Top cover tool, Lens tool, Allen key Resistorx®
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>3</sup> encryption, network access control, Digest authentication, User access log, Centralized Certificate Management	<b>Optional accessories</b>	<b>Lenses</b> 6 mm, F1.6: Horizontal field of view: 52° 8 mm, F1.6: Horizontal field of view: 40° AXIS T96B05 External Housing, AXIS T94D01S Mounting Bracket, AXIS T94D02S Mounting Bracket, Network Coupler IP66, Network Cable Coupler Indoor For more accessories,
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available
<b>System integration</b>		<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profiles S and G,	<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option,
<b>Analytics</b>	AXIS Video Motion Detection 3, Active tampering alarm, Audio detection Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications,		
<b>Event triggers</b>	Analytics, Time scheduled, Edge storage events		
<b>Event actions</b>	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		