

## 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>	Progressive scan RGB CMOS 1/2.8"	<b>General</b>	
<b>Lens</b>	M12 mount, Fixed iris, Megapixel resolution 3.6mm, F2.0, Horizontal angle of view: 87° Vertical angle of view: 47° Diagonal angle of view: 102°	<b>Casing</b>	Aluminum and polycarbonate casing
<b>Minimum illumination</b>	Color: 0.2 lux	<b>Memory</b>	256 MB RAM, 128 MB Flash
<b>Shutter time</b>	Power line frequency 50 Hz: 1/28000 s to 2 s Power line frequency 60 Hz: 1/33500 s to 2 s	<b>Power</b>	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W
<b>Camera angle adjustment</b>	Pan $\pm 30^\circ$ , Tilt 15-90°, Rotation $\pm 175^\circ$	<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</b>		<b>Edge storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Main and Baseline Profiles Motion JPEG	<b>Operating conditions</b>	AXIS P39-R: -30°C to 60°C (-22°F to 140°F) Humidity: 10% - 95% RH (non-condensing)
<b>Resolutions</b>	1280x720 to 160x90	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Frame rate</b>	Up to 30 fps in all resolutions	<b>Approvals</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, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1, 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>Video streaming</b>	Multiple, individually configurable streams in H.264, Motion JPEG Controllable frame rate and bandwidth, VBR/CBR H.264	<b>Weight</b>	RJ45: 269 g (0.59 lb) M12: 277 g (0.61 lb)
<b>Image settings</b>	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, Exposure zones, Backlight compensation, Fine tuning of behavior at low light, Wide Dynamic Range-dynamic contrast, Text and image overlay, Privacy mask, Mirroring of images, Traffic Light mode Rotation: 0°, 90°, 180°, 270° including Corridor Format	<b>Included accessories</b>	Installation guide, Drill hole template, Top cover tool, Lens tool, Allen key resistor, Windows decoder 1-user license
<b>Pan/Tilt/Zoom</b>	Digital PTZ, Preset Positions, Guard Tour, Control Queue	<b>Optional accessories</b>	Lenses 2.8 mm, F2.0: Horizontal angle of view: 115° 6 mm, F1.6: Horizontal angle of view: 52° 8 mm, F1.6: Horizontal angle of view: 40° AXIS T96B05 External Housing, AXIS T94D01S Mounting Bracket, AXIS T94D02S Mounting Bracket, Network Coupler IP66, Network Cable Coupler Indoor
<b>Network</b>		<b>Video management software</b>	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management	<b>Languages</b>	German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>
<b>System integration</b>		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 (eay@cryptsoft.com).</i>	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>More information is available at <a href="http://www.axis.com">www.axis.com</a></b>	
<b>Analytics</b>	Video motion detection, Active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications		
<b>Event triggers</b>	Analytics, Time scheduled, Edge storage events		
<b>Event actions</b>	File upload: FTP, SFTP, HTTP, HTTPS and Email Notification: Email, HTTP, HTTPS and TCP Video recording to edge storage, Pre- and post-alarm video buffering, Status LED activation		