AXIS P3904-R Network Camera

High-performance HDTV camera for onboard surveillance

AXIS P3904-R is specially designed for HDTV 720p 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. 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

Models	AXIS P3904–R: RJ45 AXIS P3904–R: M12

Camera

Image sensor	1/2.8" Progressive scan RGB CMOS
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
Minimum illumination	**Color:** 0.2 lux
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
Camera angle adjustment	Pan: ±30° Tilt: 15-90° Rotation: ±175°

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1280x720 to 160x90
Wide dynamic range	WDR - forensic capture
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264
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
Pan/Tilt/Zoom	Digital PTZ, preset positions Guard tour, control queue

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, network access control, digest authentication, user access log, centralized certificate management
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

System integration

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*
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*
Event triggers	Analytics, time scheduled, edge storage events
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
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	Aluminum and polycarbonate casing
Sustainability	PVC free
Mounting	Inside vehicles and rolling stock[c]
Memory	256 MB RAM, 128 MB Flash
Power	Power over Ethernet (PoE)IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W
Connectors	**RJ45:** male, 10BASE-T/100BASE-TX **M12:** female, rugged, D-coded with rotatable coupling nut All connectors support PoE
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*
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity: 10-95% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
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
Dimensions	Height: 49 mm (1 15/16 in), ø 109 mm (4 3/16 in)
Weight	**RJ45:** 269 g (0.59 lb) **M12:** 277 g (0.61 lb)
Included accessories	Installation guide, Windows decoder 1-user license, drill hole template, top cover tool, lens tool, Allen key Resistorx®
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*
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 (eay@cryptsoft.com).*
b. *For detection of tampering attempts in static and non-crowded scenes.*
c. *For outdoor applications, use AXIS T96B05 Outdoor Housing.*

Environmental responsibility:

www.axis.com/environmental–responsibility

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