AXIS P39-R Network Camera Series

High-performance cameras for surveillance in or on vehicles

> - Compact, rugged design
> - HDTV
> - Edge storage
> - Audio-in
> - I/O ports

The high-performance AXIS P39-R Network Camera Series is specially designed for video surveillance in or on buses, trains, subway cars and emergency vehicles.

The compact, rugged and discreet AXIS P39-R Network Camera Series has IP67-rated protection against dust and water, and can withstand tough conditions such as vibrations, shocks, bumps and temperature fluctuations. In addition, the cameras' active tampering alarm can detect tampering attempts such as blocking or spray-painting.

The series includes AXIS P3904-R cameras with 720p resolution, AXIS P3905-R cameras with HDTV 1080p resolution, AXIS P3915-R with HDTV 1080p resolution as well as audio-in and I/O capabilities and the outdoor ready AXIS P3905-RE meeting IP6K9K. Each of these variants are available with either a male RJ45 connector or a rugged M12 connector.

The cameras are specially adapted to respond quickly to changes in light levels, ensuring that high image quality is maintained.

Traffic Light mode helps to better distinguish colors of traffic lights in very dark scenes.

The cameras are designed for quick and reliable installation. The desired field of view and a leveled image can be easily achieved by using the supplied lens tool to direct and rotate the ball that holds the lens and image sensor. The tool can also be used to exchange and focus the lens when a lens with a different angle of view is required. The cameras provide a pixel counter for verifying that the pixel resolution of an object meets specific requirements.

Technical Specifications - AXIS P39-R Network Camera Series

Models	AXIS P3904-R: RJ45/M12, HDTV 720p AXIS P3905-R: RJ45/M12, HDTV 1080p AXIS P3905-RE: RJ45/ HDTV 1080p AXIS P3915-R: RJ45/M12, HDTV 1080p

Camera

Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	M12 mount, Fixed iris, Megapixel resolution AXIS P3904-R/P3905-R/P3915-R: 3.6mm, F2.0, 87° view[a] Vertical angle of view: 47° Diagonal angle of view: 102° AXIS P3905-RE: 6mm, F1.6, 56° view[a] Vertical angle of view: 33° Diagonal angle of view: 67°
Minimum illumination	Color: 0.2 lux
Shutter time	Power line frequency 50 Hz: 1/28000 s to 2 s Power line frequency 60 Hz: 1/33500 s to 2 s
Camera angle adjustment	AXIS P3904-R/P3905-R/P3915-R: Pan ±30°, Tilt 15-90°, Rotation ±175° AXIS P3905-RE: Pan ±20°, Tilt 0-15°, Rotation ±175°

Video

Video compression	H.264 Main and Baseline Profiles (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	AXIS P3904-R: 1280x720 to 160x90 AXIS P3905-R/P3905-RE/P3915-R: 1920x1080 to 160x90
Frame rate	30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, Motion JPEG Controllable frame rate and bandwidth, VBR/CBR H.264
Image settings	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 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

Audio

Audio streaming	AXIS P3915-R: Audio in, Simplex
Audio compression	AXIS P3915-R: AAC LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Configurable bit rate
Audio input	AXIS P3915-R: External microphone input or line input

Network

Security	Password protection, IP address filtering, HTTPS[b] encryption, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS[b], SSL/TLS[b], QoS Layer 3 DiffServ, FTP, 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, specification at www.onvif.org
Intelligent video	Video motion detection, Active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications AXIS P3915-R: Audio detection
Event triggers	Intelligent video, Time scheduled, Edge storage events AXIS P3915-R: Audio Level, External input
Event actions	File upload: FTP, HTTP, Email Notification: Email, HTTP, TCP

Video recording to edge storage, Pre- and post-alarm video buffering, Status LED activation
AXIS P3915-R: External output activation, Video and audio recording to edge storage

Data streaming	Event data
Built-in installation aids	Pixel counter

General

Casing	Aluminum and polycarbonate casing
Memory	256 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 AXIS P3904-R/P3905-R/P3905-RE: Class 2, max. 4.1 W AXIS P3915-R: Class 2, max. 4.3 W
Connectors	AXIS P39-R RJ45: Male RJ45 10BASE-T/100BASE-TX AXIS P39-R M12: Rugged, Female, D-coded M12 connector with rotatable coupling nut All connectors support Power over Ethernet AXIS P3915-R: 3.5 mm Audio In connector, Mono, I/O 4-pin, 1 input, 1 output +12 V DC/15 mA
Edge storage	microSD/microSDHC/microSDXC slot supporting memory cards with up to 64 GB of storage. For best recording performance, use an SDHC or SDXC card with speed class 10 Support for recording to dedicated network-attached storage (NAS)
Operating conditions	AXIS P39-R: -30°C to 60°C (-22°F to 140°F) AXIS P39-RE: -30°C to 55°C (-22°F to 131°F) 10% to 95% RH (non-condensing)
Approvals	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) AXIS P3905-RE: ISO 20653 IP6K9K, IEC/EN 62262 IK09, UN R10 rev.04 (E approval), IEC 60721-3-5 Class 5M3
Weight	AXIS P3904-R/P3905-R RJ45: 269 g (0.59 lb) AXIS P3905-RE: 540 g (1.19 lb) AXIS P3915-R RJ45: 285 g (0.63 lb) AXIS P3904-R/P3905-R M12: 277 g (0.61 lb) AXIS P3915-R M12: 293 g (0.65 lb)
Included accessories	Installation and Management Software CD, Installation guide, Drill hole template, Top cover tool, Lens tool, Allen key resitorx, Windows decoder 1-user license
Optional accessories	Lenses (2.8 mm: 115° view[c], F2.0; 6 mm: 52° view[c] F1.6; 8 mm: 40° view[c] F1.6), AXIS T96B05 External Housing, AXIS T94D01S Mounting Bracket, AXIS T94D02S Mounting Bracket, Network Coupler IP66, Network Cable Coupler Indoor
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. *Horizontal angle of view*
b. *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).*
c. *Horizontal angle of view*

More information is available at www.axis.com

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