

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 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. 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

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| Models | AXIS P3905-R: RJ45 AXIS P3905-R: M12 | Data streaming | Event data |
| Camera | | Built-in installation aids | Pixel counter |
| Image sensor | 1/2.8" Progressive scan RGB CMOS | General | |
| 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 | Casing | Aluminum and polycarbonate casing |
| Minimum illumination | Color: 0.2 lux | Sustainability | PVC free |
| Shutter time | 1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz | Mounting | Inside vehicles and rolling stock ^c |
| Camera angle adjustment | Pan: ±30° Tilt: 15-90° Rotation: ±175° | Memory | 256 MB RAM, 128 MB Flash |
| Video | | Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2, max. 4.1 W |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG | Connectors | RJ45: male, 10BASE-T/100BASE-TX M12: female, rugged, D-coded with rotatable coupling nut All connectors support PoE |
| Resolution | 1920x1080 to 160x90 | 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 |
| Wide dynamic range | WDR - forensic capture | Operating conditions | -30 °C to 60 °C (-22 °F to 140 °F) Humidity: 10-95% RH (non-condensing) |
| Frame rate | Up to 25/30 fps (50/60 Hz) in all resolutions | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) |
| Video streaming | Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264 | 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 |
| 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 | Dimensions | Height: 49 mm (1 15/16 in), ø 109 mm (4 3/16 in) |
| Pan/Tilt/Zoom | Digital PTZ, preset positions, Guard tour, control queue | Weight | RJ45: 269 g (0.59 lb) M12: 277 g (0.61 lb) |
| Network | | Included accessories | Installation guide, Windows decoder 1-user license, drill hole template, top cover tool, lens tool, Allen key Resistorx [®] |
| Security | Password protection, IP address filtering, HTTPS ^a encryption, network access control, digest authentication, user access log, centralized certificate management, signed firmware, secure boot | 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 |
| Supported protocols | IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SRTP, SSH | Video management software | AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads |
| System integration | | Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| Application Programming Interface | Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Guardian with One-Click Connection ONVIF [®] Profile G and ONVIF [®] Profile S, specification at www.onvif.org | Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty |
| 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 | | |

- 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 (eyay@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:

axis.com/environmental-responsibility