AXIS P3807-PVE Network Camera

Panoramic camera for seamless, 180° coverage

AXIS P3807-PVE Network Camera is a fixed dome camera with multiple sensors, providing an easy, reliable and cost-efficient one-camera installation – reducing installation time, cabling and VMS license costs. Thanks to its excellent image sensors, along with Forensic WDR and Lightfinder technology, it provides great video quality in any light conditions. Its four sensors give a seamless 180° panoramic overview, at up to 30 fps in 8.3 MP resolution. The camera is easy to install as recessed, flush, pendant, back-to-back, and comes with adjustable preset camera positions.

> **Seamlessly stitched images**

> **180° horizontal and 90° vertical coverage**

> **8.3 MP resolution at full frame rate**

> **Axis Lightfinder and Forensic WDR**

> **Axis Zipstream for reduced bandwidth and storage needs**

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Camera

Image sensor	4 x 1/2.9" progressive scan RGB CMOS
Lens	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90° M12 mount
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.17 lux, F2.0 B/W: 0.05 lux, F2.0
Shutter speed	1/33500 to 1/10 s
Camera angle adjustment	Pan ±180° Tilt 0°, 35°, 45°, 55° Roll ±5°

System on chip (SoC)

Model	ARTPEC-6
Memory	1024 MB RAM, 512 MB Flash

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	4320x1920 to 480x270
Frame rate	8.3 MP (client dewarp): up to 25/30 fps (50/60 Hz) without WDR, up to 12.5/15 fps (50/60 Hz) with WDR 7.5 MP (dewarped): up to 12.5/15 fps (50/60 Hz)
Video streaming	8.3 MP (client dewarp): 1 individually configurable stream in H.264 and Motion JPEG 7.5 MP (dewarped): 2 individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, compression, dynamic text and image overlay, exposure control, noise reduction, fine tuning of behavior at low light, polygon privacy masks

Audio

Audio input/output	Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X (EAP-TLS)[a] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTP/2, 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, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1, Syslog

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org
Event triggers	Analytics, edge storage events, shock detection
Event actions	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap File upload: FTP, SFTP, HTTP, HTTPS network share, email Notification: email, HTTP, HTTPS TCP
Data streaming	Event data
Built-in installation aids	Pixel counter, leveling guide

Analytics

Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Video Motion Detection, active tampering alarm

Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap

General

Casing	IP66-/IP67- and NEMA 4X-rated, IK10-rated impact-resistant casing with polycarbonate hard coated clear dome, aluminum base and dehumidifying membrane Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) ¾" (M25) conduit side entries
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7 W, max 12.9 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-30 °C to 50 °C (-22 °F to 122 °F) -20 °C to 50 °C (-4 °F to 122 °F) when using AXIS T61 Audio and I/O Interface Series Maximum temperature (intermittent): 60 °C (140 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267
Dimensions	Height: 166 mm (6.54 in) Width without weathershield: 198 mm (7.8 in) Width with weathershield: 206 mm (8.1 in)
Weight	2.0 kg (4.5 lb)
Mounting height	Recommended: 4–15 m
Included accessories	Installation guide, Windows decoder 1-user license, Resistorx® L-key, weathershield, mounting bracket, cable gasket, Axis U-shape conduit adapter 30 mm
Optional accessories	AXIS T94V01C Dual Camera Mount, AXIS T94V02D Pendant Kit, AXIS T94V01L Recessed Mount, AXIS T91B47 Pole Mount For more accessories, see axis.com
Video management software	AXIS Companion[b], AXIS Camera Station, video management software from Axis Application Development Partners available on axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
b. *Compatible with 7.5 MP (dewarped) only.*

Environmental responsibility:

axis.com/environmental-responsibility

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