

## **AXIS P3818-PVE Panoramic Camera**

Seamless, 180° coverage with no blind spots

AXIS P3818-PVE delivers a 180° panoramic overview of extensive areas with ultra-high resolution images and incredible details up to 30 fps. With 13 MP resolution and seamless stitching of all three images, it offers 180° horizontal and 90° vertical coverage with no blind spots. Including a variety of mounting options, it's also possible to mount two cameras back-to-back for a complete 360° overview, using AXIS T94V01C Dual Camera Mount. Featuring edge-to-edge technology, it's easy to add support for audio enabling you to listen in to transactions or incidents. Additionally, built-in cybersecurity features prevent unauthorized access and safeguard your system.

- > 13 MP multisensor camera with one IP address
- > 180° horizontal, 90° vertical coverage
- > Seamlessly stitched images
- > Support for audio input
- > Built-in cybersecurity features











## AXIS P3818-PVE Panoramic Camera

Camera			MQTT subscribe
Image sensor	3 x 5 MP 1/2.8" progressive scan RGB CMOS		Scheduled and recurring: scheduled event
Lens	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90°	Video: live stream open, average bitrate degradation, day-nig mode, tampering  Event actions  Day/night mode, overlay text, video recording to edge storage	
Day and night	Automatically removable infrared-cut filter	Event decions	pre- and post-alarm video buffering, send SNMP trap, play audio
Minimum	With Forensic WDR and Lightfinder:		clipm I/O events, status LED events File upload: FTP, SFTP, HTTP, HTTPS network share, email
illumination	Color: 0.16 lux, F2.0 B/W: 0.05 lux, F2.0		MQTT publish Notification: email, HTTP, HTTPS TCP
Shutter speed	1/91000 to 1/25 s	Data streaming	Event data
	With WDR: 1/50000 to 1/25 s	Built-in installation aids	Pixel counter, leveling guide
Camera angle adjustment	Pan +/- 180° Tilt 0° to 50° Roll +/- 5°	Analytics	
System on chip	o (SoC)	Applications	Included AXIS Fence Guard, AXIS Motion Guard, AXIS Loitering Guard
Model	ARTPEC-7 (x2)		AXIS Video Motion Detection, active tampering alarm, audio
Memory	2048 MB RAM (x2), 512 MB Flash		detection Supported
Video			Support for AXIS Camera Application Platform enabling
Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles	~ 1 "	installation of third-party applications, see axis.com/acap
compression	H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Cybersecurity Edge security	Software: Signed firmware, brute force delay protection, digest
Resolution	5120x2560 (13.1 MP) to 256x128		authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password
Frame rate	13.1 MP @ 25/30 fps (50/60 Hz) WDR		protection, AES-XTS-Plain64 256bit SD card encryption
Video streaming	13.1 MP: 1 configurable stream in H.264, H.265 and Motion JPEG in full frame rate Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265		Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL6+), Axis device ID, secure boot
Image settings	Low latency mode  Saturation, contrast, brightness, sharpness, Forensic WDR: up to	Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.508 Certificate PKI, IP address filtering
	120 dB depending on scene, white balance, day/night threshold, exposure mode, compression, dynamic text and image overlay, orientation aid, exposure control, noise reduction, fine tuning of behavior at low light, polygon privacy masks	Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to
Audio Audio streaming	Two-way audio via edge-to-edge technology		
Audio input/output	External microphone input, line input, digital audio input, automatic gain control, network speaker pairing	General	axis.com/cybersecurity
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, 44.1 kHz ACC-LC, LPCM Configurable bit rate	Casing	IP66-/IP67- and NEMA 4X-rated, IK10-rated impact-resistant casing with polycarbonate hard coated clear dome, aluminum base and dehumidifying membrane
Network			Color: white NCS S 1002-B
Security	IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, user access log, centralized certificate management, signed video, Axis Edge Vault, Axis device ID,		Casing open detection For repainting instructions and impact on warranty, contact you distributor partner.
Network protocols	secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)  IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour),	Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) and for wall or ceiling mount
	UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SSH,	Sustainability	3/4" (M25) conduit side entries PVC free, 20% recycled plastic
	LLDP, CDP, MQTT, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 11 W, max 18 W
System integra		Connectors	Shielded RJ45 1000BASE-T
Application Programming Interface	Open API for software integration ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at <i>onvif.org</i>		Terminal block for two configurable supervised inputs/digital outputs (12 V DC output, max load 50 mA), 3.5 mm analog/digita mic/line in
Event conditions	Analytics, external input, supervised external input, edge storage events, virtual inputs through API Audio: audio detection	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS)
	Digital audio: digital signal contains Axis metadata, digital signal as invalid sample rate, digital signal missing, digital signal ok Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure, IP address removed, network lost, new IP address, shock detected, storage failure, system ready, within operating temperature,	Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Humidity 10–100% RH (condensing) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -40 °C
	casing open, ring power overcurrent protection Edge storage: recording ongoing, storage disruption, storage health issues detected	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)

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Approvals	EMC EAC, EN 55032 Class A, EN 55035, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35, CISPR 24, CISPR 35 Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, CAN/CSA-C22.2 No. 60950-22, 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), MIL-STD-810H (Method 501.7, 502.7, 505.7, 506.6, 507.6, 509.7, 512.6) Network NIST SP500-267
Dimensions	Height: 170 mm (6.6 in) Width in diameter: 195 mm (7.6 in) With weathershield: Height 221 mm (8.7 in) Width 206 mm (8.1 in)

Weight	2.2 kg (4.9 lb)
Mounting height	Recommended: 4–15 m
Included accessories	Installation guide, Windows® decoder 1-user license, weathershield, RESITORX® T20 bit, connector guard
Optional accessories	AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards AXIS T03102 Pendant Kit AXIS T03101-E Pendant Kit AXIS T03201-E Recessed Mount <sup>b</sup> AXIS T94V01C Dual Camera Mount For more accessories, see axis.com
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
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. The camera's tampering alarm doesn't work when mounted in AXIS TO3201-E Recessed Mount