

## **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 eld of view: 180° Vertical eld of view: 90°   | Event actions               | Video: live stream open, average bitrate degradation, day-night mode, tampering  Day/night mode, overlay text, video recording to edge storage,  |
| Day and night                           | pre- and post-  |                             | pre- and post-alarm video buffering, send SNMP trap, play audio  |
| Minimum                                 | With Forensic WDR and Light nder:   |                             | clipm I/O events, status LED events<br>File upload: FTP, SFTP, HTTP, HTTPS network share, email  |
| illumination                            | Color: 0.16 lux, F2.0<br>B/W: 0.05 lux, F2.0  |                             | MOTT publish<br>Noti cation: email, HTTP, HTTPS TCP  |
| Shutter speed                           | 1/91000 to 1/25 s   | Data streaming              | Event data   |
| Comoro onglo                            | With WDR: 1/50000 to 1/25 s   | Built-in installation aids  | Pixel counter, leveling guide  |
| Camera angle adjustment                 | Pan +/- 180°<br>Tilt 0° to 50°<br>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 Pro les  | 0.4                         | installation of third-party applications, see axis.com/acap  |
| compression                             | H.265 (MPEG-H Part 2/HEVC) Main Pro le<br>Motion JPEG   | Cybersecurity Edge security | Software, Signed remuses brute force delay protection digest   |
| Resolution                              | 5120x2560 (13.1 MP) to 608x128  | Euge security               | <b>Software:</b> Signed rmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption <b>Hardware:</b> Secure boot, Axis Edge Vault with Axis device ID  |
| Frame rate                              | 13.1 MP @ 25/30 fps (50/60 Hz) WDR  |                             |  |
| Video streaming                         | 13.1 MP: 1 con gurable stream in H.264, H.265 and Motion  | Network security            | IEEE 802.1X (EAP-TLS) <sup>a</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>a</sup> , TLS   |
|   | JPEG in full frame rate<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265   | Network security            | v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certi cate PKI, IP address Itering   |
|   | Low latency mode  | Documentation               | AXIS OS Hardening Guide  |
| 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, orientation aid, exposure control, noise reduction, ne tuning of behavior at low light, polygon privacy masks   |                             | 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                                   | Tura varia and a site adapt to adapt to also be also as   |                             | axis.com/cybersecurity   |
| Audio streaming Audio                   | Two-way audio via edge-to-edge technology   | General                     | ID44 /ID47, and NEMA AV rated IV10 rated impact recistant  |
| input/output                            | External microphone input, line input, digital audio input, automatic gain control, network speaker pairing   | 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 Casing open detection For repainting instructions and impact on warranty, contact your |
| Audio encoding                          | 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726<br>ADPCM 8 kHz, Opus 8/16/48 kHz, 44.1 kHz ACC-LC, LPCM<br>Con gurable bit rate   |                             |  |
| Network                                 |   |                             | distributor partner.   |
| Security                                | IP address Itering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, user access log, centralized certi cate management, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certi ed), TPM (FIPS 140-2 certi ed)  | Mounting                    | Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) and for wall or ceiling mount  34" (M25) conduit side entries   |
| Network                                 | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPSa, TLSa,  | Sustainability              | PVC free, 20% recycled plastic   |
| protocols                               | QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT, Secure syslog (RFC 3164/5424, UDP/TCP/TLS),  | Power                       | Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4<br>Typical 11 W, max 18 W  |
|   |   | Connectors                  | Shielded RJ45 1000BASE-T   |
| System integra                          | Link-Local address (ZeroConf)  ution  |                             | Terminal block for two con gurable supervised inputs/digital outputs (12 V DC output, max load 50 mA), 3.5 mm analog/digital mic/line in   |
| Application<br>Programming<br>Interface | Open API for software integration ONVIF® Pro le G, ONVIF® Pro le M, ONVIF® Pro le S and ONVIF® Pro le T, speci cation at <i>onvif.org</i>   | Storage                     | Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS)   |
| Event conditions                        | Analytics, external input, supervised external input, edge storage events, virtual inputs through API Audio: audio detection 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, casing open, ring power overcurrent protection Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: digital input, manual trigger, virtual input | Operating conditions        | -40 °C to 50 °C (-40 °F to 122 °F)<br>Humidity 10–100% RH (condensing)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C<br>(165 °F)<br>Start-up temperature: -40 °C  |
|   |   | Storage conditions          | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5-95% RH (non-condensing)   |
|   |   | Approvals                   | EMC<br>EAC, EN 55032 Class A, EN 55035, EN 50121-4,<br>IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2,<br>FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A,  |

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|            | 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, Simpli ed<br>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).

  In Ecamera's tampering alarm doesn't work when mounted in AXIS TQ3201-E Recessed Mount

