# AXIS P3727-PLE Panoramic Camera
## 4x2 MP multidirectional camera with IR for 360° coverage

AXIS P3727-PLE offers four channels with 2MP per channel at 30 fps. This multidirectional camera allows for flexible positioning of four varifocal camera heads. Each head can be controlled individually to capture scenes in four directions in wide-angle or zoomed-in views. It includes 360° IR illumination with individually controllable LEDs and an automatic IR cut filter. Plus, remote zoom and focus capabilities ensure fast and accurate installation. AXIS Edge Vault protects your Axis device ID and simplifies authorization of Axis products on your network. Furthermore, AXIS Object Analytics offers highly nuanced object classification and reliable detection with fewer false positives.

> **4*2 MP at 30 fps per channel**
> **360° IR illumination with individually controlled LEDs**
> **AXIS Edge Vault and TPM module**
> **AXIS Object Analytics on one channel**
> **Edge storage with 2* microSD card slots**

# AXIS P3727-PLE Panoramic Camera

## Camera

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| **Image sensor** | 4 x 1/2.8" progressive scan RGB CMOS |
| **Lens** | Varifocal, 3–6 mm, F1.8–2.6<br>**4x1080p capture mode:**<br>Horizontal field of view: 96°–49°<br>Vertical field of view: 53°–27°<br>Diagonal field of view: 113°–55°<br>Fixed iris, IR corrected, remote zoom and focus |
| **Day and night** | Automatically removable infrared-cut filter |
| **Minimum illumination** | With Forensic WDR and Lightfinder:<br>**Color:** 0.17 lux at 50 IRE, F1.8<br>**B/W:** 0 lux at 50 IRE, F1.8 |
| **Shutter speed** | 1/32500 s to 2 s with 50 Hz<br>1/32500 s to 2 s with 60 Hz |
| **Camera angle adjustment** | Pan ±90°, tilt +25 to +95°, rotation –5 to +95°, twist ±20° |

## System on chip (SoC)

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| **Model** | ARTPEC-7 |
| **Memory** | 1024 MB RAM, 512 MB Flash |
| **Compute capabilities** | Machine learning processing unit (MLPU) |

## Video

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| **Video compression** | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG |
| **Resolution** | 4 x 1920x1080 (4 x HDTV 1080p) to 640x360 |
| **Frame rate** | Up to 25/30 fps (50/60 Hz) |
| **Video streaming** | Multiple, individually configurable streams in H.264, H.265 and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265 |
| **Image settings** | Saturation, contrast, brightness, sharpness, Forensic WDR, white balance, day/night threshold, tone mapping , exposure mode, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy masks |

## Audio

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| **Audio input/output** | Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology.<br>A 30 W midspan or higher is required between AXIS T61 Audio and I/O Interfaces and AXIS P3727-PLE. |

## Network

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| **IP address** | One IP address for all channels |
| **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, secure boot, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified) |
| **Supported protocols** | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[a], HTTP/2, TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf) |

## System integration

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| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com*<br>One-click cloud connection<br>ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org* |
| **Onscreen controls** | IR illumination<br>Autofocus<br>Privacy mask |
| **Event conditions** | Audio: audio clip playing |

Device status: above operating temperature, above or below operating temperature, below operating temperature, casing open, IP address removed, network lost, new IP address,storage failure, system ready, within operating temperature
Edge storage: recording ongoing, storage disruption, storage health issues detected
I/O: manual trigger, virtual input
MQTT subscribe
Scheduled and recurring: scheduled event
Video: average bitrate degradation, day-night mode, live stream open, tampering

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| **Event actions** | Record video: SD card and network share<br>MQTT publish<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email<br>Notification: email, HTTP, HTTPS, TCP, and SNMP trap<br>Overlay text, play audio clip, day/night mode, status LED, IR illumination, MQTT |
| **Data streaming** | Event data |
| **Built-in installation aids** | Pixel counter, remote focus, remote zoom |

## Analytics

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| **AXIS Object Analytics** | **Object classes:** humans, vehicles<br>**Trigger conditions:** line crossing, object in area, time in area[BETA]<br>Up to 10 scenarios<br>Metadata visualized with trajectories and color-coded bounding boxes<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event<br>Available for one channel |
| **Applications** | **Included**<br>AXIS Object Analytics, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap* |

## General

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| **Casing** | IP66-, IP67-, NEMA 4X- and IK09-rated impact-resistant, aluminum and plastic casing with polycarbonate hard-coated dome<br>Color: white NCS S 1002-B<br>Dome intrusion switch<br>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)<br>½" (M20) conduit side entry |
| **Sustainability** | PVC free |
| **Power** | Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4<br>IR illumination on[b]: Class 4, typical 12.5 W, max 21.7 W<br>IR illumination off[b]: Class 3, typical 6.4 W, Class 4, max 15.0 W |
| **Connectors** | Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE<br>Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology |
| **IR illumination** | Four individually controllable IR with power-efficient, long-life 850 nm IR LEDs<br>Range of reach 15 m (50 ft) or more depending on the scene |
| **Storage** | Support for microSD/microSDHC/microSDXC card<br>Dual SD cards<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see *axis.com* |
| **Operating conditions** | –30 °C to 50°C (–22 °F to 122 °F)<br>Humidity 10–100% RH (condensing)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) |
| **Storage conditions** | –40 °C to 65 °C (–40 °F to 149 °F) |

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| **Approvals** | **EMC**<br>EN 50121-4, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A<br>**Safety**<br>CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252<br>**Environment**<br>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 IK09, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)<br>**Network**<br>NIST SP500-267 |
| **Dimensions** | Height: 92 mm (3.6 in)<br>ø 255 mm (10.0 in) |
| **Weight** | 2.0 kg (4.4 lb) |
| **Included accessories** | Installation guide, Windows® decoder 1-user license, connector guard, screw bit T20 |
| **Optional accessories** | AXIS T94N01D Pendant Kit, AXIS T94N01L Recessed Mount[c], AXIS TP3814-E Black Casing, AXIS TP3815-E Smoked Dome, Axis cabinets |

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| | AXIS Surveillance Cards<br>For more accessories, see *axis.com* |
| **Video management software** | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at *axis.com/vms* |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, 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. *Typical power consumption at ambient temperature 20°C (68°F) and maximum power consumption at –30°C (–22°F)*
c. *The camera's tampering alarm doesn't work when mounted in AXIS T94N01L Recessed Mount*

Environmental responsibility:

*axis.com/environmental-responsibility*

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