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

Image sensor 4 x 1/2.8" progressive scan RGB CMOS

Lens Varifocal, 3 - 6 mm, F1.8 - 2.6
4x1080p capture mode:
- Horizontal field of view: 96° – 49°
- Vertical field of view: 53° – 27°
- Diagonal field of view: 113° – 55°
- Fixed iris, IR corrected, remote zoom and focus

Day and night Automatically removable infrared-cut filter

Minimum illumination With Forensic WDR and Lightfinder:
- Color: 0.17 lx at 50 IRE, F1.8
- B/W: 0 lx at 50 IRE, F1.8

Shutter speed 1/25000 s to 2 s with 50 Hz
1/25000 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)

Model ARTPFC-7

Memory 1024 MB RAM, 512 MB Flash

Compute capabilities Machine learning processing unit (MLPU)

Video

Video compression H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG

Resolution 4 x 1920x1080 (4 x HDV 1080p) to 160x90

Frame rate Up to 25/30 fps (50/60 Hz)

Video streaming Multiple, individually configurable streams in H.264, H.265 and Motion JPEG
Axis Zipstream technology in H.264 and H.265
Controllable frame rate and bandwidth
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

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

Network

IP address One IP address for all channels

Security Password protection, IP address filtering, HTTPS encryption, IEEE 802.1x (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot, protection of cryptographic keys with FIPS 140-2 certified TPM 2.0 module, Axis Edge Vault with Axis device ID

Supported protocols IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QuS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UHPS, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2v3, RTCP, DHCPv4/v6, SOCKS, SSH, LDTP, CDP, MQTT v3.1.1, Synlog, Link-Local address (ZeroConf)

System integration

Application Programming Interface Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at.axis.com

Onscreen controls IR illumination
Auto focus
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

Event actions
- Record video: SD card and network share
- MQTT publish
- Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email notification
- Email: email, HTTP, HTTPS, TCP, and SMTP trap
- 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

AXIS Object Analytics

Object classes: humans, vehicles
Trigger conditions: line crossing, object in area
Up to 10 scenarios
Metadata visualized with color-coded bounding boxes
Polygon include/exclude areas
Perspective configuration
ONVIF Motion Alarm event
Available for one channel

Applications
- Included
- AXIS Object Analytics
- AXIS Video Motion Detection, active tampering alarm
- Support for AXIS Camera Application Platform enabling installation of third-party applications, see.axis.com/ocap

General

Casing
- IP66-, IP67-, NEMA 4X- and IK09-rated impact-resistant, aluminum and plastic casing with polycarbonate hard-coated dome
- Color: white NCS S 1002-B
- Dome intrusion switch
- For repainting instructions of skin covering or casing and impact on warranty, contact your Axis partner.

Mounting
- Mounting bracket with junction box holes (double-gang, single-gang, 4-, and 4" octagon)
- 1/2" (M20) conduit side entry

Sustainability
- PVC free

Power
- Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4
- Typical 13.5 W, max 21.7 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

IR illumination
- Four individually controllable IR with power-efficient, long-life 850 nm IR LEDs
- Range of reach 15 m (50 ft) or more depending on the scene

Storage
- Support for microSD/microSDHC/card microSDXC card
- Dual SD cards
- Support for SD card encryption (AES-XTS-Plain64 256bit)
- 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)
- Humidity 10–100% RH (non-condensing)

Storage conditions
- -40 °C to 65 °C (-40 °F to 149 °F)

Approvals
- EMC EN 50121-4, EN 50032 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, CSM C22.2 No.18, UL2364
- Safety
Dimensions
- Height: 92 mm (3.6 in)
- 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
- AXIS TP3814-E Black Casing, AXIS TP3815-E Smoked Dome, Axis cabinets
- AXIS Surveillance Cards

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

Environmental responsibility:
- axis.com/environmental-responsibility

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