

AXIS P3227-LV Network Camera

Streamlined 5 MP fixed dome for any light conditions

AXIS P3227-LV is a streamlined 5 MP fixed dome that features a varifocal lens with remote zoom and focus, which facilitates installation and eliminates the need for hands-on fine tuning. Equipped with Forensic WDR to handle scenes with strong variations in light, Lightfinder technology, as well as built-in IR illumination with OptimizedIR, this versatile camera provides exceptional video quality in any light conditions. It supports Axis Zipstream technology that significantly reduces bandwidth and storage requirements.

- > **5 MP resolution in full frame rate**
- > **Forensic WDR and Lightfinder**
- > **OptimizedIR illumination**
- > **Remote zoom and focus**
- > **Zipstream for reduced bandwidth and storage needs**



AXIS P3227-LV Network Camera

Camera

Image sensor

Progressive scan RGB CMOS 1/2.5"

Lens

Varifocal, 3.5–10 mm, F1.7
Horizontal field of view: 100°–38°
Vertical field of view: 51°–22°
Remote zoom and focus, P-Iris control, IR corrected

Day and night

Automatically removable infrared-cut filter

Minimum illumination

Color: 0.18 lux at 50 IRE, F1.7
B/W: 0.04 lux F1.7 at 50 IRE, 0 lux with IR illumination on

Shutter speed

1/62500 s to 2 s

Camera adjustment

Pan $\pm 180^\circ$, tilt -40 to +75°, rotation $\pm 95^\circ$

System on chip (SoC)

Model

ARTPEC-6

Memory

1 GB RAM, 512 MB Flash

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
Motion JPEG

Resolution

3072x1728 to 160x90

Frame rate

25/30 fps with power line frequency 50/60 Hz

Video streaming

Multiple, 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

Multi-view streaming

8 individually cropped out view areas.

Pan/Tilt/Zoom

Digital PTZ, Preset positions

Image settings

Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control (including automatic gain control), Exposure zones, Fine tuning of behavior at different light levels, Forensic WDR: up to 120 dB depending on scene, Text and image overlay, Mirroring of images, Privacy masks
Rotation: 0°, 90°, 180°, 270°, including Corridor Format

Audio

Audio input/output

Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology (no support for AXIS T61 Mk II)

Network

Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS¹, TLS¹, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnPTM, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SIP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

1. 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).

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com/developer-community.

One-click cloud connection

ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T specification at onvif.org

Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX

Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms.

Event triggers

Analytics, edge storage events, virtual inputs through API

Event actions

Record video: SD card and network share

Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email

Pre- and post-alarm video or image buffering for recording or upload

Notification: email, HTTP, HTTPS, TCP and SNMP trap

Overlay text, IR illumination on/off

Data streaming

Event data

Built-in installation aids

Remote zoom, remote focus, pixel counter

Analytics

Applications

Included

AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard

AXIS Video Motion Detection, active tampering alarm

Supported

AXIS Demographic Identifier

Support for additional applications if the device is used with compatible accessories. For more information, contact your Axis partner.

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

General

Casing

IP52-rated, IK08 impact-resistant, polycarbonate casing with hard-coated dome and dehumidifying membrane

Encapsulated electronics and captive screws

Color: white NCS S 1002-B

For repainting instructions of casing and impact on

warranty, contact your Axis partner.

Mounting

Mounting bracket with holes for junction boxes

(double-gang, single-gang, and 4" octagon) and for wall or ceiling mount

1/4"-20 UNC tripod screw thread

Sustainability

PVC free

Power

Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 11.5 W, typical 8.4 W

Connectors

RJ45 10BASE-T/100BASE-TX PoE

Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology (no support for AXIS T61 Mk II)

IR illumination

Optimized IR with power-efficient, long-life 850 nm IR LEDs. Range of reach 30 m (100 ft) or more depending on the scene

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

0 °C to 50 °C (32 °F to 122 °F)

Humidity 10 to 85% RH (non-condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Humidity 5-95% RH (non-condensing)

Approvals

EMC

EN 55032 Class B, EN 50121-4, IEC 62236-4, EN 55024,
EN 61000-6-1, EN 61000-6-2,
FCC Part 15 Subpart B Class A and B, ICES-003 Class B,
VCCI Class B, RCM AS/NZS CISPR 22 Class B,
KCC KN32 Class B, KN35

Safety

IEC/EN/UL 60950-1, IEC/EN 62471, IS 13252

Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14
IEC 60068-2-6 (vibration), IEC 60068-2-27 (shock),
IEC 60068-2-30, IEC 60068-2-78, IEC/EN 60529 IP52,
IEC/EN 62262 IK08

Network

NIST SP500-267

Dimensions

Height: 101 mm (4 in)
ø 149 mm (5 7/8 in)

Weight

550 g (1.2 lb)

Included accessories

Installation guide, Windows decoder 1-user license,
mounting bracket, cable gasket, Resistorx®T20 L-key,
drill template, connector guard

Optional accessories

AXIS T6101 Audio and I/O Interface
AXIS T6112 Audio and I/O Interface
AXIS ACI Conduit Bracket B
AXIS ACI Conduit Adapters
AXIS T94K01L Recessed Mount Kit
AXIS T94S01L Recessed Mount Kit
AXIS T94K01D Pendant Kit
AXIS Skin Cover C, Black
AXIS Mounts
AXIS P32-V Smoked Dome A

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](https://www.axis.com/warranty)