AXIS P3227-LVE Network Camera

Streamlined, outdoor-ready 5 MP fixed dome for any light conditions

AXIS P3227-LVE is a streamlined, outdoor-ready 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. AXIS P3227-LVE is vandal-resistant with IK10 rating.

> **5 MP resolution in full frame rate**
> **Outdoor ready and IK10 rated**
> **Forensic WDR, Lightfinder and OptimizedIR**
> **Remote zoom and focus**
> **Zipstream for reduced bandwidth and storage needs**

AXIS P3227-LVE 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 ±180°, tilt -40 to +75°, rotation ±95°

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 low light, 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, HTTPS[1], TLS[1], 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, 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)

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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
MQTT subscribe

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
MQTT publish

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

General

Casing
IP66- and NEMA 4X-rated, IK10 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
¼"-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
OptimizedIR 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
-40 °C to 50 °C (-40 °F to 122 °F)
Start-up: -30 °C to 50 °C (-22 °F to 122 °F)
Maximum temperature (intermittent): 55 °C (131 °F)
Humidity 10 to 100% RH (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/UL 60950-22,
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 IP66,
NEMA 250 Type 4X, IEC/EN 62262 IK10
Network
NIST SP500-267

Dimensions
Height: 103 mm (4 1/16 in)
ø 149 mm (5 7/8 in)

Weight
750 g (1.7 lb) including weathershield

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

Optional accessories
AXIS T6101 Audio and I/O Interface
AXIS T6112 Audio and I/O Interface
AXIS ACI Conduit Bracket A
AXIS ACI Conduit Adapters
AXIS T94M01L Recessed Mount Kit
AXIS T94T01D Pendant Kit including weather shield
AXIS Mounts
AXIS P32–VE 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*

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