

AXIS P3228-LV Network Camera

Streamlined 4K fixed dome for any light conditions

AXIS P3228-LV is a streamlined 4K 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.

- > [4K video in full frame rate](#)
- > [Forensic WDR and Lightfinder](#)
- > [OptimizedIR illumination](#)
- > [Remote zoom and focus](#)
- > [Zipstream for reduced bandwidth and storage needs](#)



AXIS P3228-LV Network Camera

Camera		Encapsulated electronics and captive screws Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
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: 0.19 lux at 50 IRE, F1.7 B/W: 0.04 lux at 50 IRE, F1.7, 0 lux with IR illumination on	
Shutter time	1/62500 s to 2 s	
Camera angle adjustment	Pan ±180°, tilt -40 to +75°, rotation ±95°	
Video		
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	
Resolution	3840x2160 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/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	
Network		
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection	
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP	
System integration		
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T specification at onvif.org	
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Digital Autotracking, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Perimeter Defender, AXIS Demographic Identifier Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
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	
General		
Casing	IP52-rated, IK08 impact-resistant, polycarbonate casing with hard-coated dome and dehumidifying membrane	
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	
Memory	1 GB RAM, 512 MB Flash	
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 11.5 W, typical 8.6 W	
Connectors	RJ45 10BASE-T/100BASE-TX PoE	
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 SD card encryption 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)	
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 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	
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on axis.com/vms	
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty	

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eyay@cryptsoft.com).

Environmental responsibility:

www.axis.com/environmental-responsibility