

# 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

<b>Camera</b>		<b>Data streaming</b>	Event data
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.5"	<b>Built-in installation aids</b>	Remote zoom, remote focus, pixel counter
<b>Lens</b>	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	<b>Analytics</b>	
<b>Day and night</b>	Automatically removable infrared-cut filter	<b>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm
<b>Minimum illumination</b>	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	<b>Supported</b> AXIS Digital Autotracking, 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 <a href="http://axis.com/acap">axis.com/acap</a>	
<b>Shutter speed</b>	1/62500 s to 2 s	<b>General</b>	
<b>Camera adjustment</b>	Pan ±180°, tilt -40 to +75°, rotation ±95°	<b>Casing</b>	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.
<b>System on chip (SoC)</b>		<b>Mounting</b>	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
<b>Model</b>	ARTPEC-6	<b>Sustainability</b>	PVC free
<b>Memory</b>	1 GB RAM, 512 MB Flash	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 11.5 W, typical 8.6 W
<b>Video</b>		<b>Connectors</b>	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)
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>IR illumination</b>	Optimized IR with power-efficient, long-life 850 nm IR LEDs. Range of reach 30 m (100 ft) or more depending on the scene
<b>Resolution</b>	3840x2160 to 160x90	<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>
<b>Frame rate</b>	25/30 fps with power line frequency 50/60 Hz	<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 10 to 85% RH (non-condensing)
<b>Video streaming</b>	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	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
<b>Multi-view streaming</b>	8 individually cropped out view areas.	<b>Approvals</b>	<b>EMC</b> EN 55032 Class B, EN 55012-4, 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 <b>Safety</b> IEC/EN/UL 60950-1, IEC/EN 62471, IS 13252 <b>Environment</b> 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 <b>Network</b> NIST SP500-267
<b>Pan/Tilt/Zoom</b>	Digital PTZ, Preset positions	<b>Dimensions</b>	Height: 101 mm (4 in) ø 149 mm (5 7/8 in)
<b>Image settings</b>	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	<b>Weight</b>	550 g (1.2 lb)
<b>Audio</b>		<b>Included accessories</b>	Installation guide, Windows decoder 1-user license, mounting bracket, cable gasket, Resistorx®T20 L-key, drill template, connector guard
<b>Audio input/output</b>	Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology (no support for AXIS T61 Mk II)	<b>Optional accessories</b>	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
<b>Network</b>			
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS, TLS, 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)		
<b>System integration</b>			
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://axis.com/developer-community">axis.com/developer-community</a> . One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T specification at <a href="http://onvif.org">onvif.org</a> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX		
<b>Video management systems</b>	Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at <a href="http://axis.com/vms">axis.com/vms</a> .		
<b>Event triggers</b>	Analytics, edge storage events, virtual inputs through API MQTT subscribe		
<b>Event actions</b>	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		

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**Warranty**

5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

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**Languages**

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese  
English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese