

## **AXIS P3248-LV Network Camera**

## Streamlined 4K dome for any light

AXIS P3248-LV offers excellent image quality in brilliant 4K resolution. This IK10-rated camera features Axis Lightfinder 2.0 and Axis Forensic WDR to deliver true colors and great detail in challenging light or near darkness. It includes OptimizedIR for surveillance in complete darkness and motion-adaptive exposure significantly reduces motion blur from approaching or nearby objects. AXIS Object Analytics lets you detect and classify humans and vehicles. And, thanks to two-way audio and I/O connectivity, you can add audio analytics and integrate peripheral equipment. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis products on your network.

- > 4K resolution at 30 fps
- > Lightfinder 2.0 and Motion-adaptive exposure
- > Zipstream supporting H.264 and H.265
- > AXIS Object Analytics
- > Enhanced security features







## AXIS P3248-LV Network Camera

Camera		System integra	tion	
Image sensor	1/1.8" progressive scan RGB CMOS	Application	Open API for software integration, including VAPIX® and	
Lens	Varifocal, 4.3–8.6 mm, F1.5 Horizontal field of view: 100°–53° Vertical field of view: 54°–30° Remote zoom and focus, P-Iris control, IR corrected	Programming Interface	ogramming AXIS Camera Application Platform; specifications at axis.com	
Day and night	Automatically removable infrared-cut filter		Voice over IP (VoIP) systems, peer to peer or integrated with	
Minimum illumination	With Forensic WDR and Lightfinder 2.0: Color: 0.14 lux at 50 IRE, F1.5 B/W: 0 lux at 50 IRE, F1.5	Event conditions	Analytics, external input, supervision of input, edge storage events, virtual inputs through API	
Shutter speed	1/8500 s to 1/5 s		MQTT subscribe	
Camera angle adjustment	Pan ±180°, tilt ±75°, rotation ±175°	Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, networl	
System on chip (SoC)  share, and email Pre- and post-alarm video or image buffering for recording				
Model	ARTPEC-7		upload	
Memory	2048 MB RAM, 512 MB Flash		Notification: email, HTTP, HTTPS, TCP, and SNMP trap MQTT publish	
Compute capabilities	Machine learning processing unit (MLPU)	Built-in	Overlay text, external output activation, play audio clip, make cal Pixel counter, remote focus, remote zoom	
Video		installation aids	OptimizedIR with adjustable IR illumination intensity	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile	Analytics		
Compression	Motion JPEG	Applications	Included AXIS Object Analytics, AXIS Scene Metadata	
Resolution	3840x2160 to 160x90		AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard	
Frame rate	25/30 fps with power line frequency 50/60 Hz		AXIS Video Motion Detection, active tampering alarm Audio detection	
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology for H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	AXIS Object	Supported AXIS Live Privacy Shield Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	
Multi-view	Low latency mode  Up to 2 individually cropped out view areas in full frame rate	Analytics	ytics  Scenarios: line crossing, object in area, crossline counting, time in area Up to 10 scenarios Other features: triggered objects visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event  Scene Object classes: humans, faces, vehicles (types: cars, buses,	
streaming Image settings	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), motion-adaptive exposure, exposure zones, defogging, Forensic WDR: up to 120 dB depending on scene, barrel distortion correction, fine tuning of low-light behavior, dynamic text and	AXIS Scene		
	image overlay, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270°, including Corridor Format	Metadata	trucks, bikes), license plates Confidence, position	
Pan/Tilt/Zoom	Digital PTZ, preset positions	Approvals		
Audio	Automotic soir control	EMC	EN 55035, EN 55032 Class A, EN 61000-3-2, EN 61000-3-3,	
Audio features  Audio streaming	Automatic gain control Voice enhancer Configurable duplex:	EN 61000-6-1, EN 61000-6-2 Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Canada: ICES-3(A)/NMB-3(A) Japan: VCCI Class A		
Audio	Two-way (half duplex, full duplex) Two-way audio connectivity through optional AXIS T61 Audio		Korea: KC KN32 Class A, KC KN35 USA: FCC Part 15 Subpart B Class A	
input/output	and I/O Interfaces with portcast technology	Safety	IEC/EN/UL 62368-1, IS 13252, IEC/EN 62471	
Audio input	Input for external unbalanced microphone, optional 5 V microphone power Digital input, optional 12 V ring power Unbalanced line input	Environment	IEC 60068-2-1, IEC 60068-2-14, IEC 60068-2-2, IEC 60068-2-27, IEC 60068-2-6, IEC 60068-2-78 IEC/EN 60529 IP52, IEC/EN 62262 IK10	
Audio output	Line output	Network	NIST SP500-267	
Audio encoding	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz,	Cybersecurity		
J	G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Edge security	Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization	
Network			Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption	
Network protocols	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, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	Network security	IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall	
		Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM)	

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	To download documents, go to axis.com/support/cybersecu- rity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity		
General			
Casing	IP52-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 and impact on warranty, contact your Axis partner.		
Mounting	Mounting bracket with holes for junction box (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 Typical 8.2 W, max 11.4 W		
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised digital input and 1 digital output (12 V DC output, max. load 25 mA) Audio: 4-pin 2.5 mm (0.098 in) terminal block for audio in and out Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology		
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 40 m (130 ft) or more depending on the scene		

	Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see <i>axis.com</i>
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Dimensions	Height: 103 mm (4.06 in) ø 149 mm (5.87 in)
Weight	720 g (1.6 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, terminal block connectors, cable gaskets, connector guard
Optional accessories	AXIS TP3201 Recessed Mount, optionally with AXIS Device Microphone B, AXIS T94K01D Pendant Kit, AXIS Dome Intrusion Switch C, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface, AXIS T79301 Microphone Kit, AXIS ACI Conduit Adapters, Axis mounts and microphones, smoked dome, black casing 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, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

