

AXIS P3245-LVE Network Camera

Streamlined outdoor-ready HDTV 1080p fixed dome for any light conditions

AXIS P3245-LVE offers excellent image quality and features Forensic WDR and OptimizedIR for sharp video even in challenging light or complete darkness. This outdoor-ready camera includes Lightfinder 2.0 for video with more life-like colors and sharp images of moving objects. Available in two variants with a choice of wide angle and telephoto lenses, it offers a varifocal lens with remote zoom and focus to eliminate the need for hands-on fine tuning. With support for two-way audio, you can hear what's happening in the scene and benefit from audio analytics. Plus, it offers Zipstream supporting H.264/ H.265 and enhanced security features.

- > [HDTV 1080p video quality](#)
- > [Lightfinder 2.0, Forensic WDR and OptimizedIR](#)
- > [Two-way audio and I/O connectivity](#)
- > [Signed firmware and secure boot](#)
- > [Two lens alternatives](#)



AXIS P3245-LVE Network Camera

Models	AXIS P3245-LVE 9 mm AXIS P3245-LVE 22 mm
Camera	
Image sensor	1/2.8" progressive scan RGB CMOS
Lens	9 mm: Varifocal, 3.4–8.9 mm, F1.8 Horizontal field of view: 100°–36° Vertical field of view: 53°–20° 22 mm: Varifocal, 9–22 mm, F1.6 Horizontal field of view: 35°–15° Vertical field of view: 19°–9° 9 mm and 22 mm: Remote zoom and focus, P-Iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	With Forensic WDR and Lightfinder 2.0: Color: 0.1 lux at 50 IRE, F1.8/F1.6 (9 mm/22 mm) B/W: 0.02 lux at 50 IRE, F1.8/F1.6 (9 mm/22 mm); 0 lux with IR illumination on
Shutter speed	1/66500 s to 2 s
Camera angle adjustment	9 mm: Pan ±180°, tilt ±75°, rotation ±175° 22 mm: Pan ±180°, tilt +80°/-10°, rotation ±180°
System on chip (SoC)	
Model	ARTPEC-7
Memory	1024 MB RAM, 512 MB Flash
Compute capabilities	Machine learning processing unit (MLPU)
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	With WDR: 25/30 fps with power line frequency 50/60 Hz Without WDR: 50/60 fps with power line frequency 50/60 Hz
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 Low latency mode
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate
Image settings	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), exposure zones, defogging, Forensic WDR: up to 120 dB depending on scene, barrel distortion correction, fine tuning of low-light behavior, dynamic text and image overlay, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270°, including Corridor Format
Pan/Tilt/Zoom	Digital PTZ, preset positions
Audio	
Audio streaming	Full duplex
Audio encoding	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External microphone input, line input, digital input with ring power, line output, automatic gain control Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology
Network	
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, user access log, centralized certificate management
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , 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, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com 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
Event conditions	Analytics, external input, supervision of input, 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 MQTT publish Overlay text, external output activation, play audio clip, make call
Built-in installation aids	Pixel counter, remote focus, remote zoom OptimizedIR with adjustable IR illumination intensity
Analytics	
AXIS Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area, time in area ^{BETA} Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Metadata	Object data: Classes: humans, faces, vehicles, license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions
Applications	Included AXIS Object Analytics AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm Audio detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot
Network security	IEEE 802.1X (EAP-TLS) ^a , HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
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 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 ¼"-20 UNC tripod screw thread
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 6.4 W, max 11.3 W
Connectors	RJ45 10BASE-T/100BASE-TX 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	Network NIST SP500-267
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 40 m (130 ft) or more depending on the scene	Dimensions Without weathershield: Height: 104 mm (4.09 in) ø 149 mm (5.87 in)
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	Weight With weathershield: 9 mm: 800 g (1.8 lb) 22 mm: 860 g (1.9 lb)
Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Absolute maximum temperature: 74 °C (165 °F) according to NEMA TS2 2016, 2.2.7 Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)	Included accessories Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, terminal block connectors, cable gaskets, connector guard Weathershield
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)	Optional accessories AXIS T94M02L Recessed Mount, AXIS T94T01D Pendant Kit, AXIS T94M01D Pendant Kit, AXIS Dome Intrusion Switch C, AXIS TP3804-E Metal Casing White, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface, AXIS ACI Conduit Adapters, Axis mounts and microphones, smoked dome, black casing For more accessories, see axis.com
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252, IEC/EN 62471 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 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS2 (2.2.7-2.2.9)	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
		Warranty 5-year warranty, see axis.com/warranty

a. *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).*

Environmental responsibility:
axis.com/environmental-responsibility