

AXIS P3245-LV Network Camera

Streamlined HDTV 1080p fixed dome for any light conditions

AXIS P3245-LV offers excellent image quality in HDTV 1080p. This streamlined, IK10-rated camera features Forensic WDR and OptimizedIR illumination to deliver sharp video even in challenging light or complete darkness. It includes Lightfinder 2.0 for video with more life-like colors and sharp video of moving objects. And, the varifocal lens with remote zoom and focus capabilities eliminates the need for hands-on fine tuning. With two-way audio you can hear what's happening in the scene and benefit from audio analytics. Plus, it offers Zipstream with support for H.264/ H.265 and enhanced security features.

- > [HDTV 1080p video quality](#)
- > [Lightfinder 2.0, Forensic WDR and OptimizedIR](#)
- > [Zipstream supporting H.264 and H.265](#)
- > [Signed firmware and secure boot](#)
- > [Two-way audio and I/O connectivity](#)



AXIS P3245–LV Network Camera

| Camera | |
|-----------------------------------|--|
| Image sensor | 1/2.8" progressive scan RGB CMOS |
| Lens | Varifocal, 3.4–8.9 mm, F1.8 Horizontal field of view: 100°–36° Vertical field of view: 53°–20° 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 B/W: 0.02 lux at 50 IRE, F1.8; 0 lux with IR illumination on |
| Shutter speed | 1/66500 s to 2 s |
| Camera angle adjustment | Pan ±180°, tilt ±75°, rotation ±175° |
| 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 streaming |
| 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 features | Automatic gain control Voice enhancer |
| Audio streaming | Configurable duplex: Two-way (half duplex, full duplex) |
| Audio input/output | Two-way audio connectivity through optional AXIS T61 Audio and I/O Interfaces with portcast technology |
| Audio input | Input for external unbalanced microphone, optional 5 V microphone power Digital input, optional 12 V ring power Unbalanced line input |
| Audio output | Line output |
| 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 |
| Network | |
| 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, IGMPv1/v2/v3, 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) |
| 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 |
| 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, external output activation, play audio clip, make call |
| Built-in installation aids | Pixel counter, remote focus, remote zoom Optimized IR with adjustable IR illumination intensity |
| Analytics | |
| Applications | Included AXIS Object Analytics, Scene metadata AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm Audio detection Supported AXIS Occupancy Estimator, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detector, AXIS Random Selector AXIS Live Privacy Shield Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap |
| AXIS Object Analytics | Object classes: humans, vehicles Scenarios: line crossing, object in area, crossline counting Up to 10 scenarios Other features: triggered objects visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event |
| Scene metadata | Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position |
| Approvals | |
| EMC | EN 55032 Class A, EN 55024, EN 50121-4, 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 Korea: KC KN32 Class A, KC KN35 USA: FCC Part 15 Subpart B Class A Railway: IEC 62236-4 |
| Safety | IEC/EN/UL 62368-1, 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 IP52, IEC/EN 62262 IK10 |
| Network | NIST SP500-267 |
| Cybersecurity | ETSI EN 303 645 |
| Cybersecurity | |
| Edge security | Software: Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot |
| Network security | IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall |
| Documentation | <i>AXIS OS Hardening Guide</i> |

Axis Vulnerability Management Policy
 Axis Security Development Model
 AXIS OS Software Bill of Material (SBOM)
 To download documents, go to axis.com/support/cybersecurity/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 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 10.7 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 |
| 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 |

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| 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 |
| 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 | 650 g (1.4 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 TP3901 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 |