AXIS P3245-LVE Network Camera
Streamlined outdoor-ready HDTV 1080p fixed dome for any light conditions

AXIS P3245-LVE offers excellent image quality in HDTV 1080p. This outdoor-ready, 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 images 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-LVE 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 lx at 50 IRE, F1.8
  - B/W: 0.02 lx at 50 IRE, F1.8
  - 0 lux with IR illumination on

**Shutter time**
- 1/66500 s to 2 s

**Camera angle adjustment**
- Pan ±180°, tilt ±75°, rotation ±175°

**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

**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, color temperature, 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, temporal and spatial image overlap, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270°, including Corridor Format

**Pan/Tilt/Zoom**
- Digital PTZ, preset positions

**Audio**
- **Audio streaming**: Full duplex
- **Audio compression**: 48bit LPCM, AAC-LC 8/16/32/44,1/48 kHz, 0.711 PCM 8 kHz, 6.726 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

**Network**
- **Security**: Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access logging, centralized certificate management, brute force delay prevention, signed firmware, secure boot
- **Supported protocols**: IPv4, IPv6 USGv6, HTTP, HTTPS, SLL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP\(^{\circ}\), SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, HTTP, RTSP, RTP, RTCP, UDP, IGMP, RTP, ICMP, DHCP, ARP, SOCS, SSH, SIP, LLDP

**System integration**
- **Application Programming Interface**: Open API for software integration, including VAPIX\(^{\circ}\) and AXIS Camera Application Platform; specifications at axis.com
- **AXIS Guardian with One-Click Connection**
- **ONVIF\(^{\circ}\) Profile G, ONVIF\(^{\circ}\) Profile S, and ONVIF\(^{\circ}\) Profile T, specification at onvif.org
- **Support** for Session Initiation Protocol (SIP) with integration of voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX

**Analytics**
- **AXIS Video Motion Detection, active tampering alarm Audio detection Supported**
- **AXIS Perimeter Defender, AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard, AXIS Occupancy Estimator, AXIS Queue Monitor, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detection, AXIS Random Selector Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap**

**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**

**Data streaming**
- **Event data**

**Built-in installation aids**
- Pixel counter, remote focus, remote zoom

**OptimizIR with adjustable IR illumination intensity**

**General**
- **Casing**: IP66- and NEMA 4X-rated, IK10 impact-resistant 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**
- **Memory**: 1024 MB RAM, 512 MB Flash
- **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
  - (D): 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

**IR illumination**
- OptimizIR with power-efficient, long-life 850 nm IR LEDs, Range of reach 40 m (130 ft) or more depending on the scene

**Storage**
- Support for microSD/microSDHC/microSDXC card and encryption
- Recording to network-attached storage (NAS)
- For SD card and NAS recommendations see axis.com

**Operating conditions**
- **-40 °C to 50 °C (-40 °F to 122 °F)**
- **Maximum temperature (intermittent)**: 55 °C (131 °F)
- **Start-up temperature**: -30 °C to 50 °C (-22 °F to 122 °F)
- **Humidity**: 10–100% RH (condensing)

**Storage conditions**
- **-40 °C to 65 °C (-40 °F to 149 °F)**
- **Humidity**: 5–95% RH (non-condensing)

**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-3A/NMB-3A, VCC 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/EN 60069 IP66, IEC/EN 62202 IK10, NEMA 250 Type 4X
  - NIST SP500-267

**Dimensions**
- **Without weathershield**: Height: 104 mm (4.09 in) a 149 mm (5.87 in)
- **Weight**
  - With weathershield: 800 g (1.8 lb)

**Included accessories**
- Installation guide, Windows® decoder 1-user license, drill template, Resistors® 120 L-key, terminal block connectors, cable gaskets, connector guard
<table>
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<th>Optional accessories</th>
<th>Weathershield</th>
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<tr>
<td>AXIS T94M02L Recessed Mount, AXIS T94T01D Pendant Kit,</td>
<td></td>
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<tr>
<td>AXIS Dome Intrusion Switch C, AXIS ACI Conduit Adapters,</td>
<td></td>
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<tr>
<td>Axis mounts and microphones, smoked dome, black casing</td>
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<td>For more accessories, see axis.com</td>
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<td>AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms</td>
<td>Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty</td>
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Environmental responsibility: axis.com/environmental-responsibility

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).