AXIS P3224-LV Mk II Network Camera
Streamlined HDTV 720p fixed dome for any light conditions

AXIS P3224-LV Mk II is a streamlined fixed dome that provides HDTV 720p video. It features a varifocal lens and remote zoom and focus, which eliminates the need for hands-on fine tuning. Equipped with WDR – Forensic Capture to handle scenes with strong variations in light, Lightfinder technology for exceptional light sensitivity, as well as built-in IR illumination with OptimizedIR, this versatile camera provides outstanding video quality in any light conditions. It supports Axis Zipstream technology that significantly reduces bandwidth and storage requirements.

> HDTV 720p video quality
> Remote zoom and focus
> Lightfinder and WDR – Forensic Capture
> OptimizedIR illumination
> Axis Zipstream
**AXIS P3224-LV Mk II Network Camera**

**Camera**
- **Image sensor:** Progressive scan RGB CMOS 1/3"
- **Lens:** Varifocal, 2.8–10 mm, F1.6
  - Horizontal field of view: 90°–34°
  - Vertical field of view: 48°–20°
- **Day and night:** Automatically removable infrared-cut filter
- **Minimum illumination:** HDIV 720p 25/30 fps with WDR – forensic capture and Lightfinder:
  - Color: 0.19 lux at 50 IRE, F1.6
  - B/W: 0.04 lux at 50 IRE, F1.6, 0 lux with IR illumination on
  - HDIV 720p 50/60 fps:
    - Color: 0.38 lux at 50 IRE, F1.6
    - B/W: 0.08 lux at 50 IRE, F1.6, 0 lux with IR illumination on
- **Shutter time:** 1/66500 s to 1 s
- **Camera angle adjustment:** Pan ±180°, tilt -35° to +75°, rotation ±95°

**Video**
- **Video compression:** H.264 Baseline, Main and High Profile (MPEG-4 Part 10/AVC) Motion JPEG
- **Resolution:** 1280x960 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 and Motion JPEG
  - Axis Zipstream technology in H.264
- **Multi-view streaming:** 2 individually cropped out view areas
- **Pan/Tilt/Zoom:** Digital PTZ, preset positions
- **Image settings:** 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, WDR – forensic capture: Up to 120 dB depending on scene, Text and image overlay, Mirroring of images, Privacy masks
  - Rotation: 0°, 90°, 180°, 270°, including Corridor Format

**Network**
- **Security:** Password protection, IP address filtering, HTTPS encryption, IEEE 802.1x (EAP-TLS) network access control, Digest authentication, User access log, Certified Certificate Management, brute force delay protection, signed firmware
- **Supported protocols:** IPv4, IPv6, USGv6, HTTP, HTTPS*, SSU/LSP*, GsS Layer 3 DiffServ, FTP, CYF/SMIPv4, SMIPv4, Bonjour, UPnP®, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH,_LDAP

**System integration**
- **Application Programming Interface:** Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com
- **Analytics:** Included
  - AXIS Video Motion Detection, active tampering alarm
  - Support:
    - AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Perimeter Defender
  - Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/eciap
- **Event triggers:** Analytics, 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
- **Data streaming:** Event data
- **Built-in installation aids:** Remote zoom, remote focus, pixel counter, optimized IR with adjustable illumination intensity

**General**
- **Casing:** IP62-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 skin cover or casing and impact on warranty:** Contact your Axis partner.
- **Mounting:** Mounting bracket with holes for junction boxes (double-gang, single-gang, and 4” octagon) and for wall or ceiling mount "x"-20 UNC tripod screw thread
- **Sustainability:** PVC free
- **Memory:** 512 MB RAM, 256 MB Flash
- **Power:** Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max. 10.2 W, typical 6.1 W
- **Connectors:** Shielded RJ45 10BASE-T/100BASE-TX PoE
- **IR illumination:** Optimized IR with power-efficient, long-life 850 nm IR LEDs with adjustable illumination intensity, Range of reach 30 m (100 ft) or more depending on scene
- **Storage:** Support for microSD/microSDHC/microSDXC card
  - Support for SD card encryption
  - Support for recording to network-attached storage (NAS)
  - For SD card and NAS recommendations see axis.com
- **Operating conditions:**
  - Humidity 10 to 85% RH (non-condensing)
  - Humidity 5-95% RH (non-condensing)
- **Accessories:**
  - EMC
    - EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, EN 55021-4, IEC 62236-4, FCC Part 15 Subpart B Class A and B
  - ICES-003 Class B, FCC Class B, ROM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24
  - Safety
    - IEC/EN/UL 60050-1, IEC/EN 62471, IS 13252
  - Environment
    - IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14
    - IEC 60068-2-6 (vibration), IEC 60068-2-27 (shock), IEC 60068-2-78, IEC/EN 60529 IP52, IEC/EN 62662 IK08
  - Network
    - NIST SP500-267
- **Dimensions:**
  - Height: 101 mm (4 in) a 149 mm (5 7/8 in)
  - Weight: 550 g (1.2 lb)
- **Included accessories:** Installation Guide, Windows decoder 1-user license, mounting bracket, cable gasket, Resistors® T20 L-key, drill template, connector guard
- **Optional accessories:**
  - AXIS ACI Conduit Bracket B, AXIS ACI Conduit Adapters, AXIS T8400TL Recessed Mount Kit, AXIS T8400TD Pendant Kit, AXIS Skin Cover C, Black, AXIS Mounts, Smoked dome
  - For more accessories, see axis.com
- **Video management software:**
  - AXIS Companion, AXIS Camera Station, Video management software from Axis’ Application Development Partners available on axis.com/vms
- **Languages:**
  - English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
- **Warranty:** 3-year warranty and AXIS Extended Warranty option, 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

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