AXIS P3224-LVE Mk II Network Camera

Streamlined, outdoor-ready HDTV 720p fixed dome for any light conditions

AXIS P3224-LVE Mk II is a streamlined, outdoor-ready 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. The vandal-resistant AXIS P3224-LVE Mk II is IK10 rated.

> **HDTV 720p video quality**

> **Outdoor ready and IK10 rated**

> **Lightfinder and WDR – Forensic Capture**

> **OptimizedIR illumination**

> **Axis Zipstream**

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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° Remote focus and zoom, P-Iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**HDTV 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 **HDTV 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 speed	1/66500 s to 1 s
Camera angle adjustment	Pan ±180°, tilt -5 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 Controllable frame rate and bandwidth VBR/ABR/MBR 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 low light, 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[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at *onvif.org*
Analytics	**Included** AXIS Video Motion Detection, active tampering alarm **Supported** 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/acap*
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 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 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 ¼"-20 UNC tripod screw thread
Sustainability	PVC free
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max 10.8 W, typical 7.3 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	-40 °C to 50 °C (-40 °F to 122 °F) Start-up: -30 °C to 50 °C (-22 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Humidity 10 to 100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	**EMC** EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, EN 50121-4, IEC 62236-4, FCC Part 15 Subpart B Class A and B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 **Safety** IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IEC/EN 62471 **Environment** IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14 IEC 60068-2-6 (vibration), IEC 60068-2-27 (shock), IEC 60068-2-30, IEC 60068-2-78, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10 **Network** NIST SP500-267
Dimensions	Height: 104 mm (4 1/16 in) ø 149 mm (5 7/8 in)
Weight	800 g (1.8 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, mounting bracket, cable gasket, Resistorx® T20 L-key, drill template, connector guard Weathershield
Optional accessories	AXIS ACI Conduit Bracket A, AXIS ACI Conduit Adapters, AXIS T94M01L Recessed Mount Kit, AXIS T94T01D Pendant Kit including weather shield, 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	Axis 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:

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