

## AXIS P3224-LVE Network Camera

Outdoor-ready and optimized for forensic video in HDTV 720p

AXIS P3224-LVE is an outdoor-ready, streamlined fixed dome providing HDTV 720p video quality. It features a varifocal lens and remote zoom and focus, which eliminates the need for hands-on fine tuning. The day and night functionality, together with OptimizedIR and P-Iris control, ensure superb image quality in any lighting conditions. Axis' built-in IR solution, OptimizedIR, automatically adapts to the zoom level set at installation, ensuring an evenly illuminated image. WDR - Forensic Capture increases forensic usability by highlighting details in both dark and well lit areas. Zipstream lowers bandwidth and storage requirements. AXIS P3224-LVE is IK10-rated, making it resistant to vandalism.

- > **HDTV 720p video quality**
- > **Outdoor-ready and IK10-rated**
- > **Remote zoom and focus**
- > **WDR - Forensic Capture**
- > **OptimizedIR illumination**
- > **Axis' Zipstream technology**



# AXIS P3224-LVE Network Camera

Camera	
<b>Image sensor</b>	Progressive scan RGB CMOS 1/2.8"
<b>Lens</b>	Varifocal, 3.0–10.5 mm, F1.4 Horizontal angle of view 92°–34° Vertical angle of view 50°–20° Remote focus and zoom, P-Iris control, IR corrected
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	HDTV 720p 25/30 fps with WDR – Forensic Capture: Color: 0.25 lux, F1.4 B/W: 0.05 lux, F1.4, 0 lux with IR illumination on HDTV 720p 50/60 fps: Color: 0.5 lux, F1.4 B/W: 0.1 lux, F1.4, 0 lux with IR illumination on
<b>Shutter time</b>	1/142850 s to 2 s
<b>Camera angle adjustment</b>	Pan ±180°, tilt -5 to +75°, rotation ±95°
Video	
<b>Video compression</b>	H.264 Baseline, Main and High Profile (MPEG-4 Part 10/AVC) Motion JPEG
<b>Resolutions</b>	1280x960 to 160x90
<b>Frame rate</b>	With WDR: 25/30 fps with power line frequency 50/60 Hz Without WDR: 50/60 fps with power line frequency 50/60 Hz
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Axis' Zipstream technology in H.264 Controllable frame rate and bandwidth, VBR/MBR H.264
<b>Multi-view streaming</b>	2 individually cropped out view areas
<b>Image settings</b>	Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control (including automatic gain control), Exposure zones, Backlight compensation, Fine tuning of behavior at low light, WDR – Forensic Capture: Up to 120 dB depending on scene, Local contrast, Text and image overlay, Mirroring of images, Privacy masks Rotation: 0°, 90°, 180°, 270°, including Corridor Format
<b>Pan/Tilt/Zoom</b>	Digital PTZ
Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized Certificate Management
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Analytics</b>	Video motion detection, Active tampering alarm Support for AXIS Camera Application Platform enabling installation of AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Analytics, Edge storage events
<b>Event actions</b>	File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS, TCP and SNMP trap Video recording to edge storage
	Pre- and post-alarm video buffering Send video clip Overlay text IR illumination on/off
<b>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Remote zoom, Remote focus, Pixel counter, OptimizedIR with adjustable IR illumination angle and intensity
General	
<b>Casing</b>	Aluminum inner camera module with encapsulated electronics IP66- and NEMA 4X-rated, IK10 impact-resistant casing with dehumidifying membrane Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Power</b>	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max 10.8 W, typical 3.9 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE
<b>IR illumination</b>	OptimizedIR with power-efficient, long-life 850 nm IR LEDs with adjustable angle of illumination and intensity. Range of reach up to 25 m (82 ft) depending on scene
<b>Edge storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	-30 °C to 50 °C (-22 °F to 122 °F) Humidity 10 to 100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Approvals</b>	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, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IEC/EN 62471 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
<b>Dimensions</b>	Height: 104 mm (4 1/16 in) ø 149 mm (5 7/8 in)
<b>Weight</b>	770 g (1.7 lb)
<b>Included accessories</b>	Installation Guide, Windows decoder 1-user license, Mounting bracket, Cable gasket, Resistorx T20 L-key, Drill template
<b>Optional accessories</b>	AXIS ACI Conduit Bracket A AXIS ACI Conduit Adapters AXIS T94M01L Recessed Mount Kit AXIS T94T01D Pendant Kit including weather shield AXIS T91 Mounts AXIS T98A17-VE Surveillance Cabinet
<b>Video management software</b>	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

More information is available at [www.axis.com](http://www.axis.com)