

## AXIS P3235-LV Network Camera

Streamlined fixed dome for any light conditions, with extra connectivity

AXIS P3235-LV Network Camera is an HDTV 1080p fixed dome with two-way audio and I/O ports. It comes with audio connectors for line out and mic or line in, and has a supervised digital input and digital output. AXIS P3235-LV features a varifocal lens and remote zoom and focus, which eliminates need for hands-on fine tuning. Equipped with WDR – Forensic Capture to handle strong variations in light, Lightfinder for exceptional light sensitivity, built-in IR illumination with OptimizedIR, this versatile camera provides outstanding image usability in any light conditions. It supports Axis Zipstream which significantly reduces bandwidth and storage requirements.

- > [HDTV 1080p video quality](#)
- > [Lightfinder and WDR – Forensic Capture](#)
- > [Optimized IR illumination](#)
- > [Two-way audio: connectors for mic or line in, and line out](#)
- > [Supervised digital input and digital output](#)



# AXIS P3235-LV Network Camera

<b>Camera</b>		
<b>Image sensor</b>	Progressive scan RGB CMOS 1/3"	
<b>Lens</b>	Varifocal, 3–10 mm, F1.4 Horizontal field of view: 90°–34° Vertical field 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 1080p 25/30 fps with WDR – forensic capture and Lightfinder: Color: 0.16 lux at 50 IRE, F1.4 B/W: 0.03 lux at 50 IRE, F1.4; 0 lux with IR illumination on HDTV 1080p 50/60 fps: Color: 0.32 lux at 50 IRE, F1.4 B/W: 0.06 lux at 50 IRE, F1.4; 0 lux with IR illumination on	
<b>Shutter speed</b>	1/66500 s to 1 s	
<b>Camera angle adjustment</b>	Pan ±180°, tilt -40 to +75°, rotation ±95°	
<b>Video</b>		
<b>Video compression</b>	H.264 Baseline, Main and High Profile (MPEG-4 Part 10/AVC) Motion JPEG	
<b>Resolution</b>	1920x1080 HDTV 1080p 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/ABR/MBR H.264	
<b>Multi-view streaming</b>	2 individually cropped out view areas	
<b>Image settings</b>	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	
<b>Pan/Tilt/Zoom</b>	Digital PTZ, preset positions	
<b>Audio</b>		
<b>Audio streaming</b>	Full duplex	
<b>Audio encoding</b>	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	
<b>Audio input/output</b>	External microphone input, line input, digital input with ring power, line output	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>®</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, active tampering alarm, audio detection <b>Supported</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Perimeter Defender, AXIS Digital Autotracking, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detector, AXIS Occupancy Estimator, AXIS Random Inspection, AXIS Queue Monitor	
		Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Event triggers</b>	Analytics, external input, edge storage events, virtual inputs through API	
<b>Event actions</b>	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	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Remote zoom, remote focus, pixel counter, optimized IR with adjustable IR illumination intensity	
<b>General</b>		
<b>Casing</b>	IP52-rated, IK08 impact-resistant, polycarbonate casing with hard-coated dome and 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>Mounting</b>	Mounting bracket with holes for junction boxes (double-gang, single-gang and 4" octagon) and for wall or ceiling mount ¼"-20 tripod screw thread	
<b>Sustainability</b>	PVC free	
<b>Memory</b>	512 MB RAM, 256 MB Flash	
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Power consumption: max 9.6 W, typical 5.6 W	
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised alarm input and 1 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	
<b>IR illumination</b>	Optimized IR with power-efficient, long-life 850 nm IR LEDs. Range of reach 30 m (100 ft) or more depending on the scene	
<b>Storage</b>	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 <a href="http://axis.com">axis.com</a>	
<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 10 to 85% RH (non-condensing)	
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	
<b>Approvals</b>	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-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A <b>Safety</b> IEC/EN/UL 60950-1, IEC/EN 62471 <b>Environment</b> IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6 (vibration), IEC 60068-2-14, IEC 60068-2-27 (shock), IEC 60068-2-30, IEC 60068-2-78, IEC/EN 60529 IP52, IEC/EN 62262 IK08 <b>Network</b> NIST SP500-267	
<b>Dimensions</b>	Height 101 mm (4 in) ø 149 mm (5 7/8 in)	
<b>Weight</b>	550 g (1.2 lb)	
<b>Included accessories</b>	Installation Guide, Windows <sup>®</sup> decoder 1-user license, mounting bracket, cable gasket, Resistor <sup>®</sup> T20 L-key, drill template, connector guard	
<b>Optional accessories</b>	AXIS ACI Conduit Bracket B, AXIS ACI Conduit Adapters, AXIS T94K02L Recessed Mount Kit, AXIS T94K01D Pendant Kit, AXIS Skin Cover C, Black, Axis Mounts, smoked dome For more accessories, see <a href="http://axis.com">axis.com</a>	
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>	

**Languages** English, German, French, Spanish, Italian, Portuguese, Polish, Russian, Simplified Chinese, Traditional Chinese, Japanese, Korean

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**Warranty** Axis 3-year warranty and AXIS Extended Warranty option, see [axis.com/warranty](https://www.axis.com/warranty)

Environmental responsibility:

[axis.com/environmental-responsibility](https://www.axis.com/environmental-responsibility)

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*