

AXIS P3225-LVE Mk II Network Camera

Streamlined, outdoor-ready HDTV 1080p fixed dome for any light conditions

AXIS P3225-LVE Mk II is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p 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 P3225-LVE Mk II is IK10 rated.

- > **HDTV 1080p video quality**
- > **Outdoor ready and IK10 rated**
- > **Lightfinder and WDR – Forensic Capture**
- > **OptimizedIR illumination**
- > **Axis Zipstream**



AXIS P3225-LVE Mk II Network Camera

Camera		Data streaming	Event data
Image sensor	Progressive scan RGB CMOS 1/3"	Built-in installation aids	Remote zoom, Remote focus, Pixel counter, OptimizedIR with adjustable IR illumination intensity
Lens	Varifocal, 3.0–10.5 mm, F1.4 Horizontal field of view 92°–34° Vertical field of view 50°–20° Remote focus and zoom, P-Iris control, IR corrected	General	
Day and night	Automatically removable infrared-cut filter	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant casing with 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.
Minimum illumination	HDTV 1080p 25/30 fps with WDR – forensic capture and Lightfinder: Color: 0.16 lux, F1.4 B/W: 0.03 lux, F1.4, 0 lux with IR illumination on HDTV 1080p 50/60 fps: Color: 0.32 lux, F1.4 B/W: 0.06 lux, F1.4, 0 lux with IR illumination on Color: 0.1 lux, F1.4 B/W: 0.01 lux, F1.4, 0 lux with IR illumination on *at shutter speed 1/12sec	Sustainability	PVC free
Shutter time	1/66500 s to 1 s	Memory	512 MB RAM, 256 MB Flash
Camera angle adjustment	Pan ±180°, tilt -5 to +75°, rotation ±95°	Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max 10.8 W, typical 7.3 W
Video		Connectors	RJ45 10BASE-T/100BASE-TX PoE
Video compression	H.264 Baseline, Main and High Profile (MPEG-4 Part 10/AVC) Motion JPEG	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs with adjustable illumination intensity. Range of reach up to 30 m (100 ft) depending on scene
Resolutions	1920x1080 to 160x90	Storage	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
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	Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Start-up: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10 to 100% RH (condensing)
Video streaming	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	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Multi-view streaming	2 individually cropped out view areas	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
Pan/Tilt/Zoom	Digital PTZ, Preset positions	Dimensions	Height: 104 mm (4 1/16 in) ø 149 mm (5 7/8 in)
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	Weight	800 g (1.8 lb)
Network		Included accessories	Installation Guide, Windows decoder 1-user license, Mounting bracket, Cable gasket, Resistorx T20 L-key, Drill template, Connector guard
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management	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
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
System integration		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S and ONVIF Profile G, specification at www.onvif.org	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
Analytics	AXIS Video Motion Detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see www.axis.com/acap	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 (ey@cryptsoft.com).	
Event triggers	Analytics, Edge storage events	Environmental responsibility:	
Event actions	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	www.axis.com/environmental-responsibility	

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Regarding general tender specifications for Government projects in Thailand

At Axis Communications, we believe in a close cooperation with our partners and provide a full range of sales, marketing and technical support from our Headquarters in Sweden.

Following the recently adopted requirements by local authorities, Axis submits this document in order to fulfill the specific needs of the market in Thailand.

In regard to the level of minimum illumination needed to obtain images as according to Axis standard of image quality, we provide the following information for The Minimum illumination

The following pages detail additional tests we have done with our cameras to provide minimum illuminations under different light conditions and shutter speeds.

About Axis' measurement of minimum illumination

Axis measures the minimum amount of illumination required by Axis network video products to produce images of a specified quality. The MMI (Measurement of Minimum Illumination) method described in our technical note applies solely to camera blocks developed by Axis Communications AB. The Axis MMI method is based on the CEA-639 standard, "Consumer Camcorder or Video Camera Low Light Performance". For detailed information, see the AXIS technical note on the MMI method.







References:

AXIS Technical Note (MMI): http://www.axis.com/files/tech_notes/Axis_MMI.pdf

AXIS whitepaper (The challenge of minimum illumination):

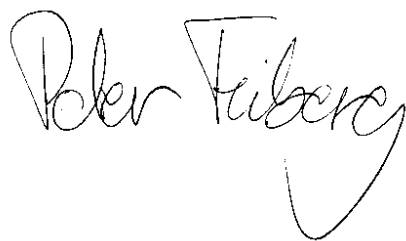
http://www.axis.com/files/whitepaper/wp_light_sensitivity_41137_en_1011_lo.pdf

Test Environment and Result for P3225-V Mk II, P3225-VE Mk II, P3225-LV Mk II & P3225-LVE Mk II:

Room Dimension	4m x 5m x 2.8m	
Object Distance	150 cm	
Room illumination	Color mode : 0.1 Lux	B/W mode : 0.01 Lux
Shutter time:1/25 Sec		
Shutter time:1/12 Sec		
Shutter time : 1 Sec		

From the test result above, we confirm that P3225-V Mk II, P3225-VE Mk II, P3225-LV Mk II & P3225-LVE Mk II can perform color mode at 0.1 Lux and B&W mode at 0.01 Lux.

Best Regards



Peter Friberg
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