

AXIS Pl405-LE Mk II Network Camera Compact, cost-effective HDTV surveillance with built-in IR

With Lightfinder and WDR – Forensic Capture, the AXIS P1405-LE Mk II bullet camera provides excellent image quality in HDTV 1080p resolution, even in complex light conditions. The built-in IR provides automatic illumination of a scene in complete darkness. AXIS P1405-LE Mk II supports Corridor Format for vertically oriented video stream of corridors, hallways or aisles. Furthermore, it features pixel counter, remote focus and zoom, as well as P-Iris control – ensuring optimal depth of field, resolution, image contrast and clarity. Axis' Zipstream technology significantly reduces bandwidth and storage requirements. The outdoor-ready camera comes with an adjustable weather shield.

- > Lightfinder and WDR Forensic Capture
- > Axis' Zipstream technology
- > HDTV 1080p at up to 30 fps
- > Built-in IR LED, 10 meters (33 feet)
- > Edge storage







AXIS P1405-LE Mk II Network Camera

Camora			
Camera Image sensor	Progressive scan CMOS 1/2.8"		
Lens	Progressive scan CMOS 1/2.8" 2.8-10 mm. F1.6		
	2.8-10 mm, F1.6 Horizontal field of view 93°-32° Vertical field of view 51°-18° Varifocal, Autofocus, Remote focus and zoom, P-Iris control, IR corrected		
Day and night	Automatically removable infrared-cut filter		
Minimum illumination	Color: 0.18 lux at F1.6Color: 0.1 lux at F1.6B/W: 0.04 lux at F1.6B/W: 0.01 lux at F1.60 lux with IR illumination on0 lux with IR illumination on *at Shutter Time 1/12 Sec		
Shutter time	1/66500 s to 1 s		
Video			
Video compression	H.264 High, Main and Baseline profiles (MPEG-4 Part 10/AVC) Motion JPEG		
Resolutions	HDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90 Meets relevant parts of SMPTE 274M (HDTV 1080p)		
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions		
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		
Image settings	Manual shutter time, Compression, Color, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Fine tuning of behavior at low light, Text and image overlay, Privacy masks, IR illumination Wide Dynamic Range – Forensic Capture: Up to 120 dB depending on scene, Mirroring of images Rotation: 0°, 90°, 180°, 270°, including Corridor Format		
Pan/Tilt/Zoom	Digital PTZ		
Network			
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log		
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		
Systemintegro	ation		
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com ONVIF® Profiles S and G, specifications at www.onvif.org		
Analytics	AXIS Video Motion Detection 3 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		
Event triggers	Analytics Detectors: Day/Night Mode, Live Stream Accessed, Tampering Hardware: Network, Temperature Input Signal: Manual Trigger, Virtual Inputs Storage: Disruption, Recording System: System Ready Time: Use Schedule, Recurrences		
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP and SNMP trap External output activation Video recording to edge storage Pre- and post-alarm video buffering		

	WDR mode PTZ control, Overlay text IR illumination		
Built-in installation aids	Pixel counter, Remote zoom (3.5x optical), Remote focus		
Data streaming	Event data		
General			
Casing	IP66, IP67- and NEMA 4X-rated casing (polyester polycarbonate blend)		
Sustainability	PVC free		
Memory	512 MB RAM, 256 MB Flash		
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 4.6 W, max 11 W		
Connectors	RJ45 10BASE-T/100BASE-TX PoE		
IR illumination	Built-in IR, highly efficient LED Range up to 10 m (33 ft)		
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com		
Operating conditions	-10 °C to 50 °C (14 °F to 122 °F) Humidity 10–100% RH (condensing)		
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)		
Approvals	EN 61000-6-1, EN 61000-6-2, EN 50121-4, IEC 62236-4, EN 50581, EN 55024, EN 55032 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM A5/IX2S CISPR 22 Class A, KCC KN-32 Class A, KN-35, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IEC/EN 62471, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-17, IEC 60068-2-30, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK08, NEMA 250 Type 4X, IEC 600825-1		
Weight	With weather shield: 800 g (1.75 lb)		
Dimensions	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)		
Included accessories	Mounting bracket, Drill template, Installation Guide, Windows decoder 1-user license AXIS Weather Shield L		
Optional accessories	AXIS T94F01M J-Box/Gang Box Plate AXIS T91A47 Pole Mount AXIS T94P01B Corner Bracket AXIS T94F01P Conduit Back Box AXIS Weather Shield K Axis PoE Midspans For more accessories, see www.axis.com		
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software		
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 www.axis.com/warranty		
a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft.com).			

Environmental responsibility:

www.axis.com/environmental-responsibility

* From the test result above, we confirm that P1405-LE Mk II can perform color mode at 0.1 Lux and B&W mode at 0.01 Lux.



Lund, January, 2017



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): <u>http://www.axis.com/files/tech_notes/Axis_MMI.pdf</u> AXIS whitepaper (The challenge of minimum illumination): <u>http://www.axis.com/files/whitepaper/wp_light_sensitivity_41137_en_1011_lo.pdf</u> Test Environment and Result for P1405-LE 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 P1405-LE Mk II can perform color mode at 0.1 Lux and B&W mode at 0.01 Lux.

Best Regards

Poler Filbercy

Peter Friberg Director Solution Management Axis Communications AB