

## AXIS P1435-LE Network Camera

Compact and cost-effective HDTV surveillance for any light condition

With features such as Lightfinder and WDR – Forensic Capture, the bullet-style AXIS P1435-LE provides excellent image quality in HDTV 1080p resolution, even in complex light conditions. Axis' OptimizedIR automatically illuminates any scene taking place in complete darkness. The camera features corridor format, pixel counter, remote zoom and focus, as well as P-iris control – ensuring optimal depth of field, resolution, image contrast and clarity. The I/O port can be used for notification to an alarm panel or control of a relay. Axis' Zipstream technology 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 60 fps**
- > **Built-in IR LEDs with OptimizedIR, 30 meters (100 feet)**
- > **I/O support and Edge storage**



# AXIS P1435-LE Network Camera

<b>Camera</b>		
<b>Image sensor</b>	Progressive scan CMOS 1/2.8"	
<b>Lens</b>	3–10.5 mm, F1.4 Horizontal angle of view: 95° – 35° Vertical angle of view: 51° – 20° Varifocal, Autofocus, Remote focus and zoom, P-Iris control, IR corrected	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	<b>Color:</b> 0.12 lux at F1.4 (30 fps) <b>Color:</b> 0.1 lux at F1.4 <b>Color:</b> 0.24 lux at F1.4 (60 fps) <b>B/W:</b> 0.01 lux at F1.4 <b>B/W:</b> 0 lux with IR illumination on.      *at Shutter Time 1/25 Sec	
<b>Shutter time</b>	1/66500 s to 2 s	
<b>Video</b>		
<b>Video compression</b>	H.264 Main and Baseline profiles (MPEG-4 Part 10/AVC) Motion JPEG	
<b>Resolutions</b>	HDTV 1080p 25/30 fps (WDR): 1920x1080 to 160x90 HDTV 1080p 50/60 fps (no WDR): 1920x1080 to 160x90 Meets relevant parts of SMPTE 274M (HDTV 1080p)	
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz, no WDR) in all resolutions	
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/MBR H.264 Axis' Zipstream technology in H.264	
<b>Image settings</b>	Manual shutter time, Compression, Color, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Backlight compensation, 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	
<b>Pan/Tilt/Zoom</b>	Digital PTZ	
<b>Network</b>		
<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	
<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> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	
<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://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 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>	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	
<b>Event actions</b>	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
<b>Built-in installation aids</b>	Pixel counter, Remote zoom (3.5x optical), Remote focus	
<b>Data streaming</b>	Event data	
<b>General</b>		
<b>Casing</b>	IP66- and NEMA 4X-rated casing (polyester polycarbonate blend)	
<b>Memory</b>	512 MB RAM, 256 MB Flash	
<b>Power</b>	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 4.6 W, Max 11 W	
<b>Connectors</b>	RJ-45 10BASE-T/100BASE-TX PoE I/O: 4-pin terminal block for 1 alarm input and 1 output	
<b>IR illumination</b>	Optimized IR, highly efficient LEDs with adjustable intensity and angle of illumination. Range up to 30 m (100 ft)	
<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 55 °C (-22 °F to 131 °F) -30 °C to 60 °C (-22 °F to 140 °F) when IR LEDs are off Humidity 10–100% 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 50121-4, IEC 62236-4, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, EN 62471, IEC/EN 60529 IP66, NEMA 250 type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27	
<b>Weight</b>	With weather shield: 800 g (1.75 lb)	
<b>Dimensions</b>	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)	
<b>Included accessories</b>	Mounting bracket, Drill template, Installation Guide, Windows decoder 1-user license	
<b>Optional accessories</b>	AXIS T94F01M J-Box/Gang Box Plate AXIS T91A47 Pole Mount AXIS T94P01B Corner Bracket AXIS T94F01P Conduit Back Box AXIS Weathershield K Axis PoE Midspans For more accessories, see <a href="http://www.axis.com">www.axis.com</a>	
<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>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese	
<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 (<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)

Lund, 14<sup>th</sup> December 2018

**The Minimum Illumination Test report.**

In Axis Communications, we believe in a close cooperation with system integrators and provide a full range of sales, marketing and technical support from our corporate headquarters in Sweden.

In regards 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 Test report camera model: AXIS P1435-LE Network Camera

**Test Environment and Result.**

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		

**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 whitepaper 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 whitepaper on the MMI method.

Best Regards



Peter Friberg  
Director Solution Management  
Axis Communications AB

**References:**

AXIS whitepaper (MMI): [http://www.axis.com/files/tech\\_notes/Axis\\_MMI.pdf](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](http://www.axis.com/files/whitepaper/wp_light_sensitivity_41137_en_1011_lo.pdf)