

# AXIS P1445-LE Network Camera

Fully-featured, all-around 2 MP surveillance

AXIS P1445-LE Network Camera is a cost-effective, all-around camera providing excellent image quality at full frame rate in 2 megapixel resolution and in 16:9 format. Fully-featured with Lightfinder, OptimizedIR and Forensic WDR, forensic details are captured even in challenging light conditions including low light and strong backlight. Outdoor-ready with a wide temperature range, this sturdy and impact resistant camera has shock detection and is ready for extreme temperatures. AXIS P1445-LE offers easy installation with remote zoom and focus for fine tuning of the picture. With Axis Zipstream, I/O and audio support, AXIS P1445-LE got you covered.

- > **HDTV 1080p at up to 60 fps**
- > **Ease of installation**
- > **Forensic WDR, Lightfinder, and OptimizedIR**
- > **I/O and audio support**
- > **Axis Zipstream technology**



# AXIS P1445-LE Network Camera

Camera	
Image sensor	1/2.8" progressive scan RGB CMOS
Lens	2.8–8.5 mm, F1.2 Horizontal field of view 110°–38° Vertical field of view 62°–21° Varifocal, Remote focus and zoom, P-Iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.07 lux, at 50 IRE F1.2; B/W: 0.01 lux, at 50 IRE F1.2 HDTV 1080p 50/60 fps with Lightfinder: Color: 0.14 lux, at 50 IRE F1.2; B/W: 0.03 lux, at 50 IRE F1.2 0 lux with IR illumination on
Shutter speed	1/66500 s to 2 s
System on chip (SoC)	
Model	ARTPEC-6
Memory	1024 MB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	HDTV 1080p (1920x1080) with WDR: Up to 25/30 FPS (50/60 Hz) in all resolutions HDTV 1080p (1920x1080) without WDR: Up to 50/60 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/ABR/MBR H.264
Multi-view streaming	Up to 8 individually cropped out view areas
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks
Pan/Tilt/Zoom	Digital PTZ
Audio	
Audio streaming	Audio in, simplex
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External microphone input or line input Automatic gain control
Network	
Security	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
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>b</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)
System integration	
Application Programming Interface	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 M, ONVIF <sup>®</sup> Profile S and ONVIF <sup>®</sup> Profile T, specification at <a href="http://onvif.org">onvif.org</a>
Event conditions	Analytics Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature Input Signal: digital input port, manual trigger, virtual inputs MQTT subscribe Storage: disruption, recording

System:	system ready
Time:	recurrence, use schedule
Event actions	
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
PTZ:	PTZ preset, start/stop guard tour
Overlay text, external output activation, day/night mode	
MQTT publish	
Data streaming	
Event data	
Built-in installation aids	
Pixel counter, remote zoom (3x optical), remote focus, auto rotation	
Analytics	
Applications	
Included	AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection
Supported	AXIS Digital Autotracking, AXIS Perimeter Defender, AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
General	
Casing	IP66/IP67-, NEMA 4X-, and IK10-rated casing Polycarbonate blend and aluminium Color: white NCS S 1002-B
Sustainability	
PVC free	
Power	
Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3	
Typical: 5.6 W, max 12.95 W	
Connectors	
Shielded RJ45 10BASE-T/100BASE-TX PoE	
3.5 mm mic/line in	
I/O: 4-pin terminal block for 1 alarm input and 1 output	
IR illumination	
Optimized IR with power-efficient, long-life 850 nm IR LEDs	
Range of reach 40 m (131 ft) or more depending on the scene	
Storage	
Support for microSD/microSDHC/microSDXC card	
Support for SD card encryption (AES-XTS-Plain64 256bit)	
Recording to network-attached storage (NAS)	
For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>	
Operating conditions	
-40 °C to 60 °C (-40 °F to 140 °F)	
Maximum temperature according to NEMA TS2 (2.2.7): 74 °C (165 °F)	
Humidity 10–100% RH (condensing)	
Storage conditions	
-40 °C to 65 °C (-40 °F to 149 °F)	
Humidity 5–95% RH (non-condensing)	
Approvals	
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 32 Class A, KCC KN32 Class A, KN35
Safety	IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252, IEC 62471
Environment	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)
Network	NIST SP500-267
Weight	
With weather shield: 1 kg (2.2 lb)	
Dimensions	
Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)	
Included accessories	
Installation guide, Windows <sup>®</sup> decoder 1-user license, drill hole template, connector kit, mounting bracket 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 <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="https://axis.com/vms">axis.com/vms</a>	a. <i>This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).</i>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese	Environmental responsibility: <a href="https://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>
<b>Warranty</b>	5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>	