

# AXIS P1455-LE Network Camera

Versatile, feature-rich 2 MP surveillance

AXIS P1455-LE offers excellent image quality in HDTV 1080p at up to 60 fps. Featuring Axis Lightfinder 2.0 and Axis Forensic WDR it delivers true colors and great detail in challenging light or near darkness. AXIS Object Analytics lets you detect and classify humans and vehicles. And, with edge-to-edge technology, it offers smart pairing functionality including two-way audio with Axis Network Speakers. Motion-adaptive exposure significantly reduces the motion blur from approaching or nearby objects, and OptimizedIR enables surveillance in pitch darkness. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis products on your network.

- > [Lightfinder 2.0 and Forensic WDR](#)
- > [OptimizedIR up to 40 m \(131 ft\)](#)
- > [AXIS Object Analytics](#)
- > [Enhanced security features](#)
- > [Zipstream with support for H.264/H.265](#)



# AXIS P1455-LE Network Camera

|  |   |  |
|--|---|--|
| <b>Camera</b>                            |   | Storage: disruption, recording<br>System: system ready<br>Time: recurrence, use schedule   |
| <b>Image sensor</b>                      | 1/2.8" progressive scan RGB CMOS  |  |
| <b>Lens</b>                              | Varifocal, 3–9 mm, F1.6<br>Horizontal field of view 114°–37°<br>Vertical field of view 58°–21°<br>Varifocal, Remote focus and zoom, P-Iris control, IR corrected  | <b>Event actions</b> Record video: SD card and network share<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email<br>Pre- and post-alarm video or image buffering for recording or upload<br>Notification: email, HTTP, HTTPS, TCP and SNMP trap<br>PTZ: PTZ preset, start/stop guard tour<br>Overlay text, external output activation, day/night mode  |
| <b>Day and night</b>                     | Automatically removable infrared-cut filter   |  |
| <b>Minimum illumination</b>              | Color: 0.07 lux, at 50 IRE F1.6<br>B/W: 0.01 lux, at 50 IRE F1.6<br>0 lux with IR illumination on   |  |
| <b>Shutter time</b>                      | 1/66500 s to 2 s  |  |
| <b>Video</b>                             |   | <b>Data streaming</b> Event data   |
| <b>Video compression</b>                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG   | <b>Built-in installation aids</b> Pixel counter, remote zoom (3x optical), remote focus, auto rotation   |
| <b>Resolution</b>                        | 1920x1080 to 160x90   | <b>Analytics</b>   |
| <b>Frame rate</b>                        | With Forensic WDR: Up to 25/30 fps (50/60 Hz) in all resolutions<br>No WDR: Up to 50/60 fps (50/60 Hz) in all resolutions   | <b>Compute capabilities</b> Machine learning processing unit (MLPU)  |
| <b>Video streaming</b>                   | Multiple, individually configurable streams in H.264, H.265 and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>Video streaming indicator  | <b>Applications</b> Included<br>AXIS Video Motion Detection, active tampering, shock detection<br>Supported<br>AXIS Perimeter Defender<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>   |
| <b>Multi-view streaming</b>              | Up to 8 individually cropped out view areas   | <b>AXIS Object Analytics</b> Object classes: humans, vehicles<br>Trigger conditions: line crossing, object in area<br>Up to 10 scenarios<br>Metadata visualized with color-coded bounding boxes<br>Polygon include/exclude areas<br>Perspective configuration<br>ONVIF Motion Alarm event  |
| <b>Image settings</b>                    | Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, defogging, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, motion-adaptive exposure<br>Scene profiles: live, forensic, traffic overview, backlit entrance |  |
| <b>Pan/Tilt/Zoom</b>                     | Digital PTZ, digital zoom   |  |
| <b>Audio</b>                             |   | <b>General</b>   |
| <b>Audio streaming</b>                   | Audio in, simplex, two-way audio via edge-to-edge technology  | <b>Casing</b> IP66/IP67-, NEMA 4X-, and IK10-rated casing<br>Polycarbonate blend and aluminium<br>Color: white NCS S 1002-B  |
| <b>Audio encoding</b>                    | 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz<br>Configurable bit rate  | <b>Sustainability</b> PVC free   |
| <b>Audio input/output</b>                | External microphone input or line input, network speaker pairing  | <b>Memory</b> 1024 MB RAM, 512 MB Flash  |
| <b>Network</b>                           |   | <b>Power</b> Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3<br>Typical: 7.7 W, max 12.95 W  |
| <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, secure boot, Axis Edge Vault with Axis device ID  | <b>Connectors</b> Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T<br>3.5 mm mic/line in<br>Terminal block for 1 supervised alarm input and 1 output (12 V DC output, max. load 25 mA)   |
| <b>Supported protocols</b>               | IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , HTTP/2, 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, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog  | <b>IR illumination</b> Optimized IR with power-efficient, long-life 850 nm IR LEDs<br>Range of reach 40 m (131 ft) or more depending on the scene  |
| <b>System integration</b>                |   | <b>Storage</b> Support for microSD/microSDHC/microSDXC card and encryption<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>  |
| <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><br>AXIS Video Hosting System (AVHS) with One-Click Connection<br>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>Operating conditions</b> -40 °C to 60 °C (-40 °F to 140 °F)<br>Maximum temperature according to NEMA TS2 (2.2.7): 74 °C (165 °F)<br>Start-up temperature: -30 °C<br>Humidity 10–100% RH (condensing)  |
| <b>Onscreen controls</b>                 | Day/night shift<br>Defogging<br>Wide dynamic range<br>Video streaming indicator<br>IR illumination  | <b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)   |
| <b>Event conditions</b>                  | Analytics<br>Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering<br>Hardware: network, temperature<br>Input Signal: digital input port, manual trigger, virtual inputs   | <b>Approvals</b> EMC<br>EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55035, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A<br>Safety<br>IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252, IEC 62471<br>Environment<br>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)<br>Network<br>NIST SP500-267 |

|                                  |   |
|----------------------------------|---|
| <b>Weight</b>                    | With weather shield:<br>1 kg (2.2 lb)   |
| <b>Dimensions</b>                | Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)   |
| <b>Included accessories</b>      | Installation guide, Windows® decoder 1-user license, drill hole template, connector kit, mounting bracket, Torx® L-key<br>AXIS Weather Shield L   |
| <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 Weather Shield K, Axis PoE Midspans<br>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, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

**Warranty** 5-year warranty, see [axis.com/warranty](http://axis.com/warranty)

- a. *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).*

Environmental responsibility:

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