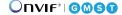# AXIS P1455-LE Network Camera
Versatile, feature-rich 2 MP surveillance

AXIS P1455-LE offers excellent image quality in HDTV 1080p. 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 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. The outdoor-ready camera comes with either a wide or a tele lens.

> **Lightfinder 2.0 and Forensic WDR**

> **OptimizedIR**

> **AXIS Object Analytics**

> **Enhanced security features**

> **Two lens alternatives**

AXIS P1455-LE Network Camera

Camera

Image sensor	1/2.8" progressive scan RGB CMOS
Lens	**AXIS P1455-LE 9 mm:** Varifocal, 3-9 mm, F1.6-3.3 Horizontal field of view 114˚-37˚ Vertical field of view 58˚-21˚ Varifocal, Remote focus and zoom, P-Iris control, IR corrected **AXIS P1455-LE 29 mm:** Varifocal, 10.9-29 mm, F1.7-1.7 Horizontal field of view 29˚-11˚ Vertical field of view 17˚-6.5˚ Varifocal, Remote focus and zoom, P-Iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**AXIS P1455-LE 9 mm:** Color: 0.07 lux, at 50 IRE F1.6 B/W: 0.01 lux, at 50 IRE F1.6 0 lux with IR illumination on **AXIS P1455-LE 29 mm:** Color: 0.07 lux, at 50 IRE F1.7 B/W: 0.01 lux, at 50 IRE F1.7 0 lux with IR illumination on
Shutter speed	1/66500 s to 2 s

System on chip (SoC)

Model	ARTPEC-7
Memory	1024 MB RAM, 512 MB Flash
Compute capabilities	Machine learning processing unit (MLPU)

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	**With Forensic WDR:** Up to 25/30 fps (50/60 Hz) in all resolutions **No WDR:** Up to 50/60 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Video streaming indicator
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, defogging, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, motion-adaptive exposure **AXIS P1455-LE 29 mm:** Electronic image stabilization Scene profiles: forensic, vivid, traffic overview
Pan/Tilt/Zoom	Digital PTZ, digital zoom

Audio

Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology
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, digital audio input, network speaker pairing

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X (EAP-TLS)[a] 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
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[a], HTTP/2, SSL/TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* One-Click Cloud Connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org*
Onscreen controls	Day/night shift Defogging Wide dynamic range IR illumination **AXIS P1455-LE 29 mm:** Electronic image stabilization
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 Storage: disruption, recording System: system ready Time: recurrence, use schedule **AXIS P1455-LE 29 mm:** Supervised input changed state MQTT subscribe
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

AXIS Object Analytics	**Object classes**: humans, vehicles **Trigger conditions**: line crossing, object in area Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Applications	**Included** AXIS Object Analytics AXIS Video Motion Detection, active tampering, shock detection **Supported** AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

General

Casing	IP66/IP67-, NEMA 4X-, and IK10-rated casing Polycarbonate blend and aluminium Color: white NCS S 1002-B
Sustainability	**AXIS P1455-LE 9 mm:** PVC free **AXIS P1455-LE 29 mm:** PVC free, BFR/CFR free
Power	**AXIS P1455-LE 9 mm:** Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 7.7 W, max 12.95 W **AXIS P1455-LE 29 mm:** Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 8.5 W, max 12.95 W 12–28 V DC, typical 7.8 W, max 12.95 W
Connectors	**AXIS P1455-LE 9 mm:** Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T 3.5 mm mic/line in Terminal block for 1 alarm input and 1 output (12 V DC output, max. load 25 mA) **AXIS P1455-LE 29 mm:** Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T

	3.5 mm mic/line in Terminal block for 1 supervised alarm input and 1 output (12 V DC output, max. load 25 mA) DC input
IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs **AXIS P1455–LE 9 mm:** Range of reach 40 m (131 ft) or more depending on the scene **AXIS P1455–LE 29 mm:** Range of reach 80 m (262 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 *axis.com*
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 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 **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: **AXIS P1455–LE 9 mm:** 1 kg (2.2 lb) **AXIS P1455–LE 29 mm:** 1.2 kg (2.65 lb)
Dimensions	**AXIS P1455–LE 9 mm:** Ø132 x 260 mm (Ø5.2 x 10.2 in) **AXIS P1455–LE 29 mm:** Ø132 x 264 mm (Ø5.2 x 10.4 in)
Included accessories	Installation guide, Windows® decoder 1–user license, drill hole template, connector kit, mounting bracket, Torx® L-keys 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 *axis.com*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at *axis.com/vms*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see *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

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