# AXIS P1447-LE Network Camera
## Fully-featured, all-around 5 MP surveillance

AXIS P1447-LE Network Camera is a cost-effective, all-around camera providing excellent image quality at full frame rate in 5 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 P1447-LE offers easy installation with remote zoom and focus for fine tuning of the picture. With Axis Zipstream, I/O and audio support, AXIS P1447-LE got you covered.

> **5 megapixel resolution in full frame rate**

> **Ease of installation**

> **Forensic WDR, Lightfinder, and OptimizedIR**

> **I/O and audio support**

> **Axis Zipstream technology**

# AXIS P1447-LE Network Camera

## Camera

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| **Image sensor** | 1/2.9" progressive scan RGB CMOS |
| **Lens** | 2.8–8.5 mm, F1.2<br>Horizontal field of view 104˚–36˚<br>Vertical field of view 55˚–20˚<br>Varifocal, Remote focus and zoom, P-Iris control, IR corrected |
| **Day and night** | Automatically removable infrared-cut filter |
| **Minimum illumination** | **Color:** 0.15 lux, at 50 IRE F1.2<br>**B/W:** 0.03 lux, at 50 IRE F1.2<br>0 lux with IR illumination on |
| **Shutter speed** | 1/62500 s to 2 s |

## System on chip (SoC)

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| **Model** | ARTPEC-6 |
| **Memory** | 1024 MB RAM, 512 MB Flash |

## Video

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| **Video compression** | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>Motion JPEG |
| **Resolution** | 3072x1728 to 160x90 |
| **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<br>Axis Zipstream technology in H.264<br>Controllable frame rate and bandwidth<br>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

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| **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<br>Configurable bit rate |
| **Audio input/output** | External microphone input or line input |

## Network

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| **Network protocols** | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf) |

## System integration

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| **Application Programming Interface** | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com/developer-community*.<br>One-click cloud connection<br>ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org* |
| **Video management systems** | Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at *axis.com/vms*. |
| **Event conditions** | 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<br>MQTT subscribe<br>Storage: disruption, recording<br>System: system ready<br>Time: recurrence, use schedule |

## Event actions

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| **Event actions** | 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<br>MQTT publish |
| **Data streaming** | Event data |
| **Built-in installation aids** | Pixel counter, remote zoom (3x optical), remote focus, auto rotation |

## Analytics

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| **Applications** | Included<br>AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard<br>AXIS Video Motion Detection<br>Supported<br>AXIS Digital Autotracking, AXIS Perimeter Defender, AXIS Cross Line Detection<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap* |

## Cybersecurity

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| **Edge security** | **Software:** Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, AES-XTS-Plain64 256bit SD card encryption |
| **Network security** | IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, host-based firewall |
| **Documentation** | *AXIS OS Hardening Guide*<br>*Axis Vulnerability Management Policy*<br>*Axis Security Development Model*<br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to *axis.com/support/cybersecurity/resources*<br>To read more about Axis cybersecurity support, go to *axis.com/cybersecurity* |

## General

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| **Casing** | IP66/IP67-, NEMA 4X-, and IK10-rated casing<br>Polycarbonate blend and aluminium<br>Color: white NCS S 1002-B |
| **Sustainability** | PVC free |
| **Power** | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3<br>Typical: 6.7 W, max 12.95 W |
| **Connectors** | Shielded RJ45 10BASE-T/100BASE-TX PoE<br>3.5 mm mic/line in<br>I/O: 4-pin terminal block for 1 alarm input and 1 output |
| **IR illumination** | OptimizedIR with power-efficient, long-life 850 nm IR LEDs<br>Range of reach 30 m (98 FT) or more depending on the scene |
| **Storage** | Support for microSD/microSDHC/microSDXC card<br>Support for SD card encryption (AES-XTS-Plain64 256bit)<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see *axis.com* |
| **Operating conditions** | -40 °C to 60 °C (-40 °F to 140 °F)<br>Maximum temperature according to NEMA TS2 (2.2.7):<br>74 °C (165 °F)<br>Humidity 10–100% RH (condensing) |
| **Storage conditions** | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5-95% RH (non-condensing) |
| **Approvals** | EMC<br>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<br>Safety<br>IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252, IEC 62471<br>Environment |

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| | 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 |
| **Weight** | With weather shield:<br>1 kg (2.2 lb) |
| **Dimensions** | Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in) |
| **Included accessories** | Installation guide, Windows® decoder 1-user license, drill hole template, connector kit, mounting bracket |

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| | 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<br>For more accessories, see *axis.com* |
| **Languages** | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese |
| **Warranty** | 5-year warranty, see *axis.com/warranty* |

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