

AXIS P1427-LE Network Camera

Compact and cost-effective surveillance with OptimizedIR

The bullet-style AXIS P1427-LE provides excellent image quality in 5 megapixel resolution. The camera features a varifocal P-iris lens and Axis' OptimizedIR, a power-efficient IR LED technology providing automatic illumination of a scene in complete darkness. P-iris control provides optimal depth of field, resolution, image contrast and clarity. AXIS P1427-LE supports Axis' Corridor Format for vertically oriented video streams. The pixel counter assures that the required pixel resolution is met. Remote zoom and focus eliminate the need for hands-on fine tuning. The input/output port can be used for notification to an alarm panel or control of a relay. The outdoor-ready camera comes with an adjustable weather shield.

- > [5 megapixel resolution at 12 fps](#)
- > [Day & Night functionality](#)
- > [Built-in IR LEDs and OptimizedIR](#)
- > [Ease of installation](#)
- > [I/O support](#)



AXIS P1427-LE Network Camera

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|--|---|---|
| Camera | | External output activation Video recording to edge storage Pre- and post-alarm video buffering IR illumination |
| Image sensor | Progressive scan CMOS 1/3.2" | |
| Lens | 2.8–9.8 mm, F1.6 Horizontal field of view 27°–92° Varifocal, Autofocus, Remote focus and zoom, P-Iris control, IR corrected | |
| Day and night | Automatically removable infrared-cut filter | |
| Minimum illumination | Color: 0.35 lux at F1.6 B/W: 0.07 lux at F1.6 0 lux with IR illumination on | |
| Shutter time | 1/28000 s to 2 s with power line frequency 50 Hz 1/33500 s to 2 s with power line frequency 60 Hz | |
| Video | | |
| Video compression | H.264 High, Main and Baseline profiles (MPEG-4 Part 10/AVC) Motion JPEG | |
| Resolutions | 2592x1944 HDTV 1080p to 160x90 Meets relevant parts of SMPTE 274M (HDTV 1080p) | |
| Frame rate | Resolutions up to 1920x1080 (HDTV 1080p) and 1600x1200: Up to 25/30 fps (50/60 Hz) 3 MP capture mode: Up to 16/20 fps (50/60 Hz) 5 MP capture mode: Up to 12,5/12 fps (50/60 Hz) | |
| Video streaming | Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264 | |
| Image settings | Manual shutter time, Compression, Color, Brightness, Sharpness, White balance, Exposure control, Exposure zones, Fine tuning of behavior at low light, Text and image overlay, Privacy masks, IR illumination Wide Dynamic Range – Dynamic Contrast Rotation: 0°, 90°, 180°, 270°, including Corridor Format | |
| Pan/Tilt/Zoom | Digital PTZ | |
| Network | | |
| Security | Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log | |
| Supported protocols | IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH | |
| System integration | | |
| Application Programming Interface | Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profiles S and G, | |
| Analytics | AXIS Video Motion Detection 3 Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications. | |
| Event triggers | Analytics 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 | |
| Event actions | File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP and SNMP trap | |
| Built-in installation aids | Pixel counter, Remote zoom (3.5x optical), Remote focus | |
| Data streaming | Event data | |
| General | | |
| Casing | IP66- and NEMA 4X-rated casing (polyester polycarbonate blend) | |
| Sustainability | PVC free | |
| Memory | 512 MB RAM, 128 MB Flash | |
| Power | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max 12.8 W | |
| Connectors | RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin terminal block for 1 alarm input and 1 output | |
| IR illumination | Optimized IR, highly efficient LEDs with adjustable intensity and angle of illumination. Range up to 15 m (50 ft) | |
| Storage | Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations | |
| Operating conditions | -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) | |
| Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) | |
| Approvals | EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, IEC/EN 60529 IP66, NEMA 250 type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 | |
| Weight | With weather shield: 871 g (1.92 lb) | |
| Dimensions | Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in) | |
| Included accessories | Mounting bracket, Drill template, Installation Guide, Windows decoder 1-user license 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 PoE Midspans For more accessories, | |
| Video management software | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available | |
| Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese | |
| Warranty | Axis 3-year warranty and AXIS Extended Warranty option. | |