**AXIS P1427-E Network Camera**

**Compact and cost-effective 5 megapixel surveillance**

The AXIS P1427-E bullet camera provides excellent image quality in 5 megapixel resolution. The camera features a vari-focal P-iris lens. P-iris control provides optimal depth of field, resolution, image contrast and clarity. AXIS P1427-E supports Axis’ Corridor Format for vertically oriented video streams. The pixel counter assures that the pixel resolution of an object fulfills requirements for identification purposes. 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 has an adjustable weather shield protecting it from rain, snow and direct sunlight.

- 5 megapixel resolution at 12 fps
- Day & Night functionality
- Edge storage
- Ease of installation
- I/O support
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Camera
Image sensor Progressive scan CMOS 1/3.2"
Lens 2.8–9.8 mm, F1.6
Horizontal field of view 27° – 92°
Varifocal, Auto Focus, 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
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 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
Motion JPEG
Resolutions 2592x1944 HDTV 1080p to 160x90
Meets relevant parts of SMPTE 274M (HDTV 1080p)
Frame rate Up to 25/30 fps (50/60 Hz) in all resolutions
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
Controlable 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
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 S encryption,
IEEE 802.1X network access control, Digest authentication, User access log
Supported protocols IPv4/IPv6, HTTP, HTTPS, SSL/TLS, GsS Layer 3 DiffServ, FTP,
CIFS/SMB, SMTP, Bonjour, UPnP/UPNP, SNMP v1/v2c/v3 (MB-ii),
DNS, DynDNS, NTP, RTSP, RTP, RTSP, 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; specifications at
www.axis.com
AXIS Video Hosting System (AVHS) with One-Click Connection
ONVIF Profile S and ONVIF Profile G, specification at
www.onvif.org
Analytics
AXIS Video Motion Detection 4
Support for AXIS Camera Application Platform enabling
installation of third-party applications, see www.axis.com/ocap
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 SMTP trap

External output activation
Video recording to edge storage
Pre- and post-alarm video buffering
PTZ preset, Overlay text
Built-in installation aids
Pixel counter, Remote zoom (3–3.5× 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
Storage
Support for microSD/microSDHC/microSDXC card
SD card encryption
Support for recording to network-attached storage (NAS)
For SD card and NAS recommendations see www.axis.com
Operating conditions
-30 °C to 50 °C (1-122 °F)
Humidity 10–100% RH (condensing)
Storage conditions
-40 °C to 65 °C (-40 °F to 149 °F)

Approvals
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 60529 IP66, NEMA 250 type 4X,
IEC 60668-2-1, IEC 60668-2-2, IEC 60668-2-6,
IEC 60668-2-27 EN 55022 Class A

Weight
With weather shield:
862 g (1.90 lb)
Dimensions
Ø132 x 260 mm (Ø5.16 x 10.14 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, see www.axis.com

Video management software
AXIS Companion, AXIS Camera Station, Video management
software from Axis’ Application Development Partners available on
www.axis.com/support/downloads
Languages
English, German, French, Spanish, Italian, Russian, Simplified
Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty
Axis 3-year warranty and Axis Extended Warranty option, see
www.axis.com/warranty
a. This product includes software developed by the OpenSSL Project for use in the
OpenSSL toolkit (http://www.openssl.org/), and cryptographic software written by
Eric Young (eay@cryptsoft.com).
Environmental responsibility:
www.axis.com/environmental-responsibility