

# 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**



# AXIS P1427-E Network Camera

Camera	
<b>Image sensor</b>	Progressive scan CMOS 1/3.2"
<b>Lens</b>	2.8–9.8 mm, F1.6 Horizontal field of view 27° – 92° Varifocal, Autofocus, Remote focus and zoom, P-Iris control, IR corrected
<b>Day and night</b>	Automatically removable infrared-cut filter
<b>Minimum illumination</b>	Color: 0.35 lux at F1.6 B/W: 0.07 lux at F1.6
<b>Shutter time</b>	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	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
<b>Resolutions</b>	2592x1944 HDTV 1080p to 160x90 Meets relevant parts of SMPTE 274M (HDTV 1080p)
<b>Frame rate</b>	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)
<b>Video streaming</b>	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264
<b>Image settings</b>	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
<b>Pan/Tilt/Zoom</b>	Digital PTZ
Network	
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S and ONVIF Profile G, specification at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Analytics</b>	AXIS Video Motion Detection 4 Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	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
<b>Event actions</b>	File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP and SNMP trap
	External output activation Video recording to edge storage Pre- and post-alarm video buffering PTZ preset, Overlay text
<b>Built-in installation aids</b>	Pixel counter, Remote zoom (3–3.5x optical), Remote focus
<b>Data streaming</b>	Event data
General	
<b>Casing</b>	IP66- and NEMA 4X-rated casing (polyester polycarbonate blend)
<b>Sustainability</b>	PVC free
<b>Memory</b>	512 MB RAM, 128 MB Flash
<b>Power</b>	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max 12.8 W
<b>Connectors</b>	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin terminal block for 1 alarm input and 1 output
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	-30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Approvals</b>	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 EN 55022 Class A
<b>Weight</b>	With weather shield: 862 g (1.90 lb)
<b>Dimensions</b>	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)
<b>Included accessories</b>	Mounting bracket, Drill template, Installation Guide, Windows decoder 1-user license 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 PoE Midspans For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/support/downloads">www.axis.com/support/downloads</a>
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

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 ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

#### Environmental responsibility:

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