

# AXIS P1428-E Network Camera

Compact and cost-effective 4K Ultra HD surveillance

The AXIS P1428-E bullet camera provides excellent image quality in 8 megapixel resolution. The high resolution enables the camera to cover a large area in exceptional detail for high quality identification. The camera features a varifocal P-iris lens. P-iris control provides optimal depth of field, resolution, image contrast and clarity. The pixel counter assures that the required pixel resolution is met, and remote zoom and focus eliminate the need for hands-on fine tuning. The input/output port can be used for alarm notification or to control a relay. The outdoor-ready camera has an adjustable weather shield protecting it from rain, snow and direct sunlight.

- > **4K Ultra HD resolution at full frame rate**
- > **Day & Night functionality**
- > **Edge storage**
- > **Ease of installation**
- > **I/O support**



# AXIS P1428-E Network Camera

Camera	
<b>Image sensor</b>	Progressive scan CMOS 1/2.5"
<b>Lens</b>	3.3–9.8 mm, F1.6 Horizontal field of view 35° – 109° 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: 1.4 lux at F1.6 B/W: 0.3 lux at F1.6
<b>Shutter time</b>	1/32500 s to 1/2 s
Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
<b>Resolutions</b>	3840x2160 4K Ultra HD to 160x90 Meets relevant parts of SMPTE ST 2036-1 (UHDTV)
<b>Frame rate</b>	Up to 25/30 fps (50/60 Hz) in all capture modes (UHD, 5 MP and QHD) as well as all other resolutions
<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°, 180°
<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 <sup>TM</sup> , 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 <sup>®</sup> Profiles S and G, specifications at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Analytics</b>	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, 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>	1024 MB RAM, 256 MB Flash
<b>Power</b>	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max 12.9 W
<b>Connectors</b>	RJ-45 10BASE-T/100BASE-TX/1000BASE-T PoE I/O: 4-pin terminal block for 1 alarm input and 1 output
<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated 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 B
<b>Weight</b>	With weather shield: 854 g (1.88 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/techsup/software">www.axis.com/techsup/software</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)