

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**



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Camera		
Image sensor	Progressive scan CMOS 1/2.5"	Pre- and post-alarm video buffering PTZ preset, Overlay text
Lens	3.3–9.8 mm, F1.6 Horizontal field of view 35° – 109° Varifocal, Autofocus, Remote focus and zoom, P-Iris control, IR corrected	Built-in installation aids
Day and night	Automatically removable infrared-cut filter	Pixel counter, Remote zoom (3–3.5x optical), Remote focus
Minimum illumination	Color: 1.4 lux at F1.6 B/W: 0.3 lux at F1.6	Data streaming
Shutter time	1/32500 s to 1/2 s	Event data
Video		General
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Casing
Resolutions	3840x2160 4K Ultra HD to 160x90 Meets relevant parts of SMPTE ST 2036-1 (UHDTV)	IP66- and NEMA 4X-rated casing (polyester polycarbonate blend)
Frame rate	Up to 25/30 fps (50/60 Hz) in all capture modes (UHD, 5 MP and QHD) as well as all other resolutions	Sustainability
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264	PVC free
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°, 180°	Memory
Pan/Tilt/Zoom	Digital PTZ	1024 MB RAM, 256 MB Flash
Network		Power
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max 12.9 W
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	Connectors
System integration		RJ-45 10BASE-T/100BASE-TX/1000BASE-T PoE I/O: 4-pin terminal block for 1 alarm input and 1 output
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	Storage
Analytics	AXIS Video Motion Detection 4 Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	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
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	Operating conditions
Event actions	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	-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 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
		Weight
		With weather shield: 854 g (1.88 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, 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. <i>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).</i>
		Environmental responsibility: www.axis.com/environmental-responsibility