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"
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
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**Color:** 1.4 lux at F1.6 **B/W:** 0.3 lux at F1.6
Shutter time	1/32500 s to 1/2 s

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolutions	3840x2160 4K Ultra HD to 160x90 Meets relevant parts of SMPTE ST 2036-1 (UHDTV)
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
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 Wide Dynamic Range - Dynamic Contrast Rotation: 0°, 180°
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™, 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; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profiles S and G, specifications at www.onvif.org
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, see www.axis.com/acap
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 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 (3-3.5x optical), Remote focus
Data streaming	Event data

General

Casing	IP66- and NEMA 4X-rated casing (polyester polycarbonate blend)
Sustainability	PVC free
Memory	1024 MB RAM, 256 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max 12.9 W
Connectors	RJ-45 10BASE-T/100BASE-TX/1000BASE-T PoE I/O: 4-pin terminal block for 1 alarm input and 1 output
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com
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 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/techsup/software
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

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