AXIS P1280-E Thermal Network Camera
Discreet, thermal detection both indoor and outdoor

AXIS P1280-E is a cost-effective indoor/outdoor thermal camera that ensures reliable detection with a low rate of false alarms. The camera can be used as a surveillance sensor that doesn't compromise personal integrity. It features a choice of lenses to meet your specific requirements; a 2.2 mm lens for wide-angle views and a 4 mm lens for narrower views with longer detection distances. AXIS P1280-E comes with built-in analytics as well as support for AXIS Perimeter Defender and 3rd party analytics. The flexible and highly discreet design allows for versatile installation: behind surfaces for discreet surveillance, on walls, or recessed.

> **Reliable and budget-friendly detection**

> **Thermal technology for low false alarm rate**

> **Built-in analytics**

> **Two variants with a choice of lenses**

> **Outdoor-ready, discreet sensor unit**

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AXIS P1280-E Thermal Network Camera

Camera

Models	AXIS P1280-E 2.2 mm AXIS P1280-E 4 mm
Image sensor	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 μm, Spectral range: 8-14 μm
Lens	**AXIS P1280-E 2.2 mm:** Athermalized, 2.2 mm, F1.05 Horizontal field of view: 63° Vertical field of view: 47° **AXIS P1280-E 4 mm:** Athermalized, 4 mm, F1.2 Horizontal field of view: 35.4° Vertical field of view: 28° Near focus distance: 1m
Sensitivity	NETD < 100 mK

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Sensor is 208 x 156. Image can be scaled up to 640 x 480
Frame rate	Up to 8.3 fps
Video streaming	Multiple, individually configurable streams in H.264 (Main, Baseline and High Profiles) and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Image settings	Brightness, sharpness, contrast, automatic gain control, gain, rotation, palette, compression, mirroring, text and image overlay, Axis Corridor Format

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X (EAP-TLS)[a] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT v3.1.1

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* One-click cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at *onvif.org*
Event triggers	Analytics, hardware temperature, edge storage events, time scheduled, video motion detection, live stream accessed
Event actions	File upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap
Data streaming	Event data
Built-in installation aids	Pixel counter

Analytics

Applications	**Included** AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, AXIS Guard Suite **Supported** AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

General

Casing	**Main unit:** Polycarbonate casing Color: White NCS S 1002-B **Thermal sensor unit:** IP66-, IP67-rated, Aluminum
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 max 4.0 W, typical 2.5 W
Connectors	Female RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor unit
Storage	Support for microSD/microSDHC/microSDXC cards (not included) Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations, see *axis.com*
Operating conditions	**Main unit:** –20 °C to 50 °C (–4 °F to 122 °F) Humidity 10-85% RH (non-condensing) **Thermal sensor unit:** –30 °C to 55 °C (–22 °F to 131 °F) Humidity 10-100% RH (condensing)
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
Approvals	EN 55032 Class B, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 23 Class B, IEC/EN/UL 62368-1, EN 50581, EN 50121-4 , IEC 62236-4, EAC, KC KN32 Class B, KC KN35 **Thermal sensor unit:** IEC 60068-2-1, IEC 60068-2-2, IEC 60068–2–6, IEC 60068-2-14, IEC 60068–2–27, IEC 60068-2-30, IEC 60068-2-78, IEC 60529 IP66/IP67, IEC/EN/UL 60950-22 **Network** NIST SP500-267
Dimensions	**Main unit:** 16 x 46 x 109 mm (0.6 x 1.8 x 4.3 in) **Thermal sensor unit AXIS P1280-E 2.2 mm:** 53 mm (2.1 in) ø 30 mm (1.2 in) cable: 12 m (39 ft) **Thermal sensor unit AXIS P1280-E 4 mm:** 62 mm (2.4 in) ø 30 mm (1.2 in) cable: 12 m (39 ft)
Weight	**Main unit:** 72 g (0.16 lb) **Thermal sensor unit with cable:** 370 g (0.8 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, AVHS Authentication key AXIS F8201 Vari-angle Mounting Bracket
Optional accessories	AXIS F8203 Fixed Mount Bracket AXIS F8204 Mounting band AXIS F8205 Bullet Accessory AXIS F8212 Trim Ring AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards AXIS T8120 15 W Midspan 1-port AXIS RJ12 Plug AXIS T8129 PoE Extender For more accessories, see *axis.com*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at *axis.com/vms*
Warranty	5-year warranty, see *axis.com/warranty*
Export control	The product contains U.S.-origin controlled technology/com- ponents. The US Export Administration Regulations (EAR) are always applicable to the product. You should comply at all times with all applicable national and international (re-) export control regulations.

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:

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