

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**

AXIS P1280-E Thermal Network Camera

Camera

Variants

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, HTTPS¹ encryption, IEEE 802.1X (EAP-TLS)¹ network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware

Network protocols

IPv4, IPv6, USGv6, HTTP, HTTPS¹, SSL/TLS¹, 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

1. 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).

Analytics

Applications

Included

AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard

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/ components. 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.