

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 | | General | |
|--|---|----------------------------------|---|
| Models | AXIS P1280-E 2.2 mm AXIS P1280-E 4 mm | Casing | Main unit: Polycarbonate casing Color: White NCS S 1002-B Thermal sensor unit: IP66-, IP67-rated, Aluminum |
| Image sensor | Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8-14 µm | Memory | 512 MB RAM, 256 MB Flash |
| 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 | Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 max 4.0 W, typical 2.5 W |
| Sensitivity | NETD < 100 mK | Connectors | Female RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor unit |
| Video | | 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 |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG | 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) |
| Resolution | Sensor is 208 x 156. Image can be scaled up to 640 x 480 | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) |
| Frame rate | Up to 8.3 fps | 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, NEMA 250 Type 4X Network NIST SP500-267 |
| 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 | Dimensions | Main unit: 16.5 x 46 x 109 mm (5/8 x 1 13/16 x 4 5/16 in) Thermal sensor unit AXIS P1280-E 2.2 mm: 53 mm (2 1/16 in) ø 30 mm (1 3/16 in) cable: 12 m (39 ft) Thermal sensor unit AXIS P1280-E 4 mm: 62 mm (2 7/16 in) ø 30 mm (1 3/16 in) cable: 12 m (39 ft) |
| Image settings | Brightness, sharpness, contrast, automatic gain control, gain, rotation, palette, compression, mirroring, text and image overlay, Axis Corridor Format | Weight | Main unit: 72 g (2.5 oz) Thermal sensor unit with cable: 370 g (13 oz) |
| Network | | Included accessories | Installation Guide, Windows decoder 1-user license, AVHS Authentication key AXIS F8201 Vari-angle Mounting Bracket |
| 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 | 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 |
| Supported protocols | IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT | Video management software | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms |
| System integration | | Warranty | 5-year warranty, see axis.com/warranty |
| 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 | 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. |
| Analytics | Included 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 | | |
| 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 | | |

- 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).

Environmental responsibility:

[axis.com/environmental-responsibility](#)