

AXIS P1280-E Thermal Network Camera

Discreet, budget-friendly thermal detection

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. AXIS P1280-E comes with built in analytics, AXIS Guard Suite, and support for AXIS Perimeter Defender and third 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**
- > **Functional and highly discreet design**
- > **Outdoor-ready sensor unit**



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Camera		General	
Image sensor	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8-14 µm	Casing	Main unit: Polycarbonate casing Color: White NCS S 1002-B Thermal sensor unit: IP66-, IP67-rated, Aluminum
Lens	Athermalized 4 mm, F1.2 Horizontal field of view: 35.4° Vertical field of view: 28° Near focus distance: 1 m	Memory	512 MB RAM, 256 MB Flash
Sensitivity	NETD < 100 mK	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 max 4.0 W, typical 2.5 W
Video		Connectors	Female RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor unit
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	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
Resolution	Sensor is 208 x 156. Image can be scaled up to 640 x 480	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)
Frame rate	Up to 8.3 fps	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
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	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
Image settings	Brightness, sharpness, contrast, automatic gain control, gain, rotation, palette, compression, mirroring, text and image overlay, Axis Corridor Format	Dimensions	Main unit: 16.5 x 46 x 109 mm (5/8 x 1 13/16 x 4 5/16 in) Thermal sensor unit: 62 mm (2 7/16 in) ∅ 30 mm (1 3/16 in) cable: 12 m (39 ft)
Network		Weight	Main unit: 72 g (2.5 oz) Thermal sensor unit with cable: 370 g (13 oz)
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	Included accessories	Installation Guide, Windows decoder 1-user license, AVHS Authentication key AXIS F8201 Vari-angle Mounting Bracket
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, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT	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
System integration		Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile G and ONVIF [®] Profile S, specification at onvif.org	Warranty	5-year warranty, see axis.com/warranty
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	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.
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](#)