

# 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 has support for AXIS Camera Application Platform, which enables the use of analytics such as AXIS Guard Suite and AXIS Perimeter Defender. 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**
- > **Functional and highly discreet design**
- > **Outdoor-ready sensor unit**



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Camera		General	
<b>Image sensor</b>	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8-14 µm	<b>Casing</b>	Main unit: Polycarbonate casing Color: White NCS S 1002-B Thermal sensor unit: IP66-, IP67-rated, Aluminum
<b>Lens</b>	Athermalized 4 mm, F1.2 Horizontal field of view: 35.4° Vertical field of view: 28° Near focus distance: 1 m	<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Sensitivity</b>	NETD < 100 mK	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 max 4.0 W, typical 2.5 W
Video		<b>Connectors</b>	Female RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor unit
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<b>Storage</b>	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 <a href="#">axis.com</a>
<b>Resolution</b>	Sensor is 208 x 156. Image can be scaled up to 640 x 480	<b>Operating conditions</b>	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)
<b>Frame rate</b>	Up to 8.3 fps	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Video streaming</b>	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/MBR H.264	<b>Approvals</b>	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
<b>Image settings</b>	Brightness, sharpness, contrast, automatic gain control, gain, rotation, palette, compression, mirroring, text and image overlay, Axis Corridor Format	<b>Dimensions</b>	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)Ø 30 mm (1 3/16 in) cable: 12 m (39 ft)
Network		<b>Weight</b>	Main unit: 72 g (2.5 oz) Thermal sensor unit with cable: 370 g (13 oz)
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log, Centralized certificate management, Brute force delay protection, signed firmware	<b>Included accessories</b>	Installation Guide, Windows decoder 1-user license, AVHS Authentication key AXIS F8201 Vari-angle Mounting Bracket
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	<b>Optional accessories</b>	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 <a href="#">axis.com</a>
System integration		<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="#">axis.com/vms</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="#">axis.com</a> AXIS Guardian with One-Click Connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <a href="#">onvif.org</a>	<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="#">axis.com/warranty</a>
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection <b>Supported</b> AXIS Perimeter Defender, AXIS Guard Suite Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="#">axis.com/acap</a>	<b>Export control</b>	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.
<b>Event triggers</b>	Analytics, hardware temperature, edge storage events, time scheduled, video motion detection, live stream accessed		
<b>Event actions</b>	File upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap		
<b>Data streaming</b>	Event data		
<b>Built-in installation aids</b>	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](mailto:ey@cryptsoft.com)).

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)