

# 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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<b>Camera</b>		<b>General</b>	
<b>Models</b>	AXIS P1280-E 2.2 mm AXIS P1280-E 4 mm	<b>Casing</b>	Main unit: Polycarbonate casing Color: White NCS S 1002-B Thermal sensor unit: IP66-, IP67-rated, Aluminum
<b>Image sensor</b>	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8-14 µm	<b>Memory</b>	512 MB RAM, 256 MB Flash
<b>Lens</b>	<b>AXIS P1280-E 2.2 mm:</b> Athermalized, 2.2 mm, F1.05 Horizontal field of view: 63° Vertical field of view: 47° <b>AXIS P1280-E 4 mm:</b> Athermalized, 4 mm, F1.2 Horizontal field of view: 35.4° Vertical field of view: 28° Near focus distance: 1m	<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 max 4.0 W, typical 2.5 W
<b>Sensitivity</b>	NETD < 100 mK	<b>Connectors</b>	Female RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor unit
<b>Video</b>		<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>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	<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>Resolution</b>	Sensor is 208 x 156. Image can be scaled up to 640 x 480	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Frame rate</b>	Up to 8.3 fps	<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 <b>Thermal sensor unit:</b> 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 <b>Network</b> NIST SP500-267
<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/ABR/MBR H.264	<b>Dimensions</b>	<b>Main unit:</b> 16.5 x 46 x 109 mm (5/8 x 1 13/16 x 4 5/16 in) <b>Thermal sensor unit AXIS P1280-E 2.2 mm:</b> 53 mm (2 1/16 in) ø 30 mm (1 3/16 in) cable: 12 m (39 ft) <b>Thermal sensor unit AXIS P1280-E 4 mm:</b> 62 mm (2 7/16 in) ø 30 mm (1 3/16 in) cable: 12 m (39 ft)
<b>Image settings</b>	Brightness, sharpness, contrast, automatic gain control, gain, rotation, palette, compression, mirroring, text and image overlay, Axis Corridor Format	<b>Weight</b>	<b>Main unit:</b> 72 g (2.5 oz) <b>Thermal sensor unit with cable:</b> 370 g (13 oz)
<b>Network</b>		<b>Included accessories</b>	Installation Guide, Windows decoder 1-user license, AVHS Authentication key AXIS F8201 Vari-angle Mounting Bracket
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X (EAP-TLS) <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	<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>
<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 <sup>TM</sup> , 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	<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>System integration</b>		<b>Warranty</b>	5-year warranty, see <a href="#">axis.com/warranty</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> One-Click Cloud Connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <a href="#">onvif.org</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		
<b>Analytics</b>			
<b>Applications</b>	<b>Included</b> AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, AXIS Guard Suite <b>Supported</b> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="#">axis.com/acap</a>		

- 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](#)