

AXIS P1290-E Thermal Network Camera

Discreet, budget-friendly thermal detection

AXIS P1290-E is a cost-effective indoor/outdoor thermal camera that ensures reliable detection with a low rate of false alarms. The camera is protected by a fixed dome enclosure, and can be used as a surveillance sensor that doesn't compromise personal integrity. AXIS P1290-E comes with built in analytics, AXIS Guard Suite, and support for AXIS Perimeter Defender and third party analytics.

- > **Reliable and budget-friendly detection**
- > **Thermal technology for low false alarm rate**
- > **Built in analytics**
- > **Functional and discreet fixed dome design**
- > **Outdoor-ready sensor unit**



AXIS P1290-E Thermal Network Camera

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: Plastic Color: White NCS S 1002-B
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
Camera angle adjustment	Tilt: 120°, Rotation: 90°	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 x 46 x 109 mm (0.6 x 1.8 x 4.3 in) Thermal sensor unit: Depth: 38 mm (1.5 in) ø 112 mm (4.4 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 (0.16 lb) Thermal sensor unit with cable: 530 g (1.2 lb)
Network		Included accessories	Installation Guide, Windows decoder 1-user license, AVHS Authentication key Rotation tool
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 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™, 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	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.
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		
Analytics			
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard 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		

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

For more information please contact:



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AXIS FA4090-E Thermal Sensor Unit

Outdoor-ready thermal sensor unit

AXIS FA4090-E Thermal Sensor Unit is a dome-shaped outdoor-ready thermal sensor unit. The flexible and highly discreet design allows for versatile installation: behind surfaces for discreet surveillance, on walls, or recessed. AXIS FA4090-E can be used as a surveillance sensor that doesn't compromise personal integrity. For use with AXIS FA54 Main Unit, it supports AXIS Camera Application Platform, which enables the use of analytics such as AXIS Guard Suite. It provides reliable solution for detection with a low rate of false alarms.

- > **Reliable and budget-friendly detection**
- > **Thermal technology for low false alarm rate**
- > **Functional and highly discreet design**
- > **Outdoor-ready sensor unit**
- > **For use with AXIS FA54 Main Unit**



AXIS FA4090-E Thermal Sensor Unit

Camera	
Image sensor	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8–14 µm
Lens	Athermalized, 4 mm, F1.2 Horizontal field of view: 35.4° Vertical field of view: 28° Near focus distance: 1m
Sensitivity	NETD <100 mK
Frame rate	8.3 fps
General	
Casing	Aluminum IP66 and IP67-rated
Connectors	RJ12 for connection to AXIS FA54 Main Unit
Operating conditions	-30°C to 55 °C (-22°F to 131 °F) Maximum temperature (intermittent): 60 °C (140 °F) Start-up temperature: -30 °C Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	EMC 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, ICES-003 Class A, Safety IEC/EN/UL 62368-1 Environment (Thermal 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
Dimensions	62 mm (2 7/16 in) ø 30 mm (1 3/16 in) Cable length: 12 m (39 ft)
Weight	Sensor with cable 370 g (0.8 lb)
Required hardware	AXIS FA54 Main Unit
Included accessories	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 For more accessories, see axis.com
Warranty	5-year warranty, see axis.com/warranty
Export control	The product contains U.S.-origin controlled technology/component, 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.

Environmental responsibility:

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AXIS Q8641-E PT Thermal Network Camera

Unobstructed views and long-distance detection

AXIS Q8641-E PT Thermal Network Camera offers outstanding thermal contrast and 10° field of view, which together with analytics, enables long-range detection and immediate visual confirmation for the operator. Highly responsive and reliable positioning camera, designed for continuous and jerk-free pan and tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables 360° unobstructed field of view, covering a wide area and reducing the cost for additional cameras. AXIS Q8641-E provides 384x288 thermal resolution, Zipstream and electronic image stabilization. Features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link.

- > [Reliable thermal detection](#)
- > [Outstanding thermal contrast – 384x288 resolution](#)
- > [Responsive positioning with quick, smooth pan and tilt capabilities](#)
- > [Save bandwidth with Zipstream](#)
- > [Electronic image stabilization](#)



AXIS Q8641-E PT Thermal Network Camera

Models	AXIS Q8641-E 35 mm 30 fps 24 V AXIS Q8641-E 35 mm 8.3 fps 24 V	Casing	IP66- and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic
Camera		Sustainability	PVC free
Image sensor	Uncooled Micro bolometer 384x288, pixel size: 17 µm Spectral range: 8-14 µm	Memory	512 MB RAM, 256 MB Flash
Lens	Athermalized Horizontal field of view: 10.7° view, F1.2	Power	24 V AC/DC Typical 16 W, max 182 W Power loss recovery ^d , TVS 2 kV surge protection
Sensitivity	NETD < 70 mK	I/O connector	Output power 12 V DC, max load 50 mA
Pan/Tilt	Pan: 360° endless, 0.05°–120°/s Tilt: –90 to +45°, 0.05°–60°/s Jerk-free movements at low speed: $\sigma < 0.01^\circ/s$ (at 0.05°/s) De-icing control ^a Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing ^b	Connectors	SFP slot (SFP module not included) ^e RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector ^e Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
Video		Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) 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	–40 °C to 60 °C (–40 °F to 140 °F) Humidity 10–100% RH (condensing) Wind load when PT operational 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m ²
Resolution	Sensor is 384x288. Image can be scaled up to 768x576.	Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
Frame rate	Up to 8.3 fps and 30 fps	Approvals	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 Network NIST SP500-267
Video streaming	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes	Weight	12 kg (26.5 lb)
Network		Included accessories	Installation guide, Windows® decoder 1-user license Power connector, I/O connector, Torx® bits T20 and T30
Security	Password protection, IP address filtering, HTTPSC encryption, network fail-over link ^c , IEEE 802.1x (EAP-TLS) ^c network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24–240 V AC 22 m ^f , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see axis.com
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^c , SSL/TLS ^c , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/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	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
System integration		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
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	Warranty	5-year warranty, see axis.com/warranty
Event triggers	Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	Export control	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.
Event actions	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay text PTZ control: preset position, guard tour File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email		
Data streaming	Event data		
Built-in installation aids	Pixel counter		
Analytics			
Applications	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		
General		Environmental responsibility:	

- Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.
- Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).
- IP data and home position retained, and guard tour and other events resumed.
- If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the failover link.
- When using the 22 m (72 ft) AXIS Cable 24 V DC/24–240 V AC, a power supply capable of delivering 220 W is required to compensate for the power loss in the cable.

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AXIS FA1080-E Thermal Sensor Unit

Outdoor-ready thermal sensor unit

AXIS FA1080-E is a flexible and highly discreet outdoor-ready thermal sensor unit that allows for versatile installation: behind surfaces for discreet surveillance, on walls, or recessed. It can be used as a surveillance sensor that doesn't compromise personal integrity. It features a choice of lenses; a 2.2 mm lens for wide-angle views and a 4 mm lens for narrower-angle views with longer detection distances. For use with AXIS FA54 Main Unit, it supports AXIS Camera Application Platform, enabling the use of analytics. Furthermore, it provides a reliable solution for detection, with a low rate of false alarms.

- > [Reliable thermal detection 24/7](#)
- > [Possibilities for multi-channel setup](#)
- > [Two variants with a choice of lenses](#)
- > [For use with AXIS FA54 Main Unit](#)
- > [Outdoor-ready, discreet sensor unit](#)



AXIS FA1080-E Thermal Sensor Unit

Camera	
Models	AXIS FA1080-E 2.2 mm AXIS FA1080-E 4 mm
Image sensor	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8-14 µm
Lens	AXIS FA1080-E 2.2 mm: Athermalized, 2.2 mm, F1.05 Horizontal field of view: 63° Vertical field of view: 47° AXIS FA1080-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
Frame rate	8.3 fps
General	
Casing	Aluminum IP66 and IP67-rated
Connectors	RJ12 for connection to AXIS FA54 Main Unit
Operating conditions	-30°C to 55 °C (-22°F to 131 °F) Maximum temperature (intermittent): 60 °C (140 °F) Start-up temperature: -30 °C Humidity 10-100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	EMC 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, ICES-003 Class A, Safety
	IEC/EN/UL 62368-1 Environment (Thermal 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
Dimensions	AXIS FA1080-E 2.2 mm: 53 mm (2 1/16 in) ø 30 mm (1 3/16 in) AXIS FA1080-E 4 mm: 62 mm (2 7/16 in) ø 30 mm (1 3/16 in) Cable length: 12 m (39 ft)
Weight	Sensor with cable 370 g (0.8 lb)
Required hardware	AXIS FA54 Main Unit
Included accessories	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 For more accessories, see axis.com
Warranty	5-year warranty, see axis.com/warranty
Export control	The product contains U.S.-origin controlled technology/component, 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.

Environmental responsibility:

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AXIS Q8642-E PT Thermal Network Camera

Unobstructed views and long-distance VGA detection

AXIS Q8642-E PT Thermal Network Camera offers outstanding thermal contrast and 10° field of view, which together with analytics, enables long-range detection and immediate visual confirmation for the operator. Highly responsive and reliable positioning camera, designed for continuous and jerk-free pan and tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables 360° unobstructed field of view, covering a wide area and reducing the cost for additional cameras. AXIS Q8642-E provides 640x480 thermal resolution, Zipstream and electronic image stabilization. Features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link.

- > [Reliable thermal detection](#)
- > [Outstanding thermal contrast – 640x480 resolution](#)
- > [Responsive positioning with quick, smooth pan and tilt capabilities](#)
- > [Save bandwidth with Zipstream](#)
- > [Electronic image stabilization](#)



AXIS Q8642-E PT Thermal Network Camera

Models	AXIS Q8642-E 60 mm 30 fps 24 V AXIS Q8642-E 60 mm 8.3 fps 24 V	General	
Camera		Casing	IP66- and NEMA 4X-rated powder coated aluminum Color: white NCS S 1002-B Front window: germanium Sunshield: high-impact UV-stabilized thermoplastic
Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 µm Spectral range: 8-14 µm	Sustainability	PVC free
Lens	Athermalized Horizontal field of view: 10°, F1.25	Memory	512 MB RAM, 256 MB Flash
Sensitivity	NETD < 50 mK	Power	24 V AC/DC Typical 16 W, max 182 W Power loss recovery ^d , TVS 2 kV surge protection I/O connector Output power 12 V DC, max load 50 mA
Pan/Tilt	Pan: 360° endless, 0.05°-120°/s Tilt: -90 to +45°, 0.05°-60°/s Jerk-free movements at low speed: $\sigma < 0.01^\circ/s$ (at 0.05°/s) De-icing control ^a Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing ^b	Connectors	SFP slot (SFP module not included) ^e RJ45 10BASE-T/100BASE-TX/1000BASE-T network connector ^e Power connector I/O connector: 6-pin terminal block with 4 configurable inputs/outputs
Video		Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) 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	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 10-100% RH (condensing) Wind load when PT operational 47 m/s (106 mph). Maximum effective projected area (EPA): 0.105 m ²
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Frame rate	Up to 8.3 fps and 30 fps	Approvals	EMC EN 55032 Class A, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, VCCI Class A ITE, ICES-003 Class A, RCM AS/NZS CISPR 32 Class A, EN 50121-4, IEC 62236-4 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-27 Network NIST SP500-267
Video streaming	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes	Weight	12.2 kg (27 lb)
Network		Included accessories	Installation guide, Windows® decoder 1-user license Power connector, I/O connector, Torx® bits T20 and T30
Security	Password protection, IP address filtering, HTTPS ^c encryption, network fail-over link ^e , IEEE 802.1x (EAP-TLS) ^c network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware	Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket, AXIS Cable 24 V DC/24-240 V AC 22 m ^f , AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, AXIS T8613 SFP Module 1000BASE-T For more accessories, see axis.com
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^c , SSL/TLS ^c , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/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	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
System integration		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
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 One-click cloud connection ONVIF [®] Profile G and ONVIF [®] Profile S, specification at onvif.org	Warranty	5-year warranty, see axis.com/warranty
Event triggers	Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule	Export control	This product is subject to export control regulations. You should always consult and comply with the regulations of the appropriate local export control authorities.
Event actions	Video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, overlay text PTZ control: preset position, guard tour File upload: FTP, HTTP, HTTPS, SFTP, network share, email Notification: HTTP, HTTPS, TCP, email		
Data streaming	Event data		
Built-in installation aids	Pixel counter		
Analytics			
Applications	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection Supported AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		

- Internal heaters to defrost ice build-up. Automatic for camera and activated by HTTP API (VAPIX) for positioning unit.
- Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).
- IP data and home position retained, and guard tour and other events resumed.
- If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the failover link.
- When using the 22 m (72 ft) AXIS Cable 24 V DC/24-240 V AC, a power supply capable of delivering 220 W is required to compensate for the power loss in the cable.

Environmental responsibility:

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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 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 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)
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 (0.16 lb) Thermal sensor unit with cable: 370 g (0.8 lb)
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 v3.1.1	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.
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		
Analytics			
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard 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		

- 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](#)

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