

# 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	
<b>Models</b>	AXIS FA1080-E 2.2 mm AXIS FA1080-E 4 mm
<b>Image sensor</b>	Uncooled Microbolometer 208 x 156 pixels, Pixel size 12 µm, Spectral range: 8-14 µm
<b>Lens</b>	<b>AXIS FA1080-E 2.2 mm:</b> Athermalized, 2.2 mm, F1.05 Horizontal field of view: 63° Vertical field of view: 47° <b>AXIS FA1080-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>Sensitivity</b>	NETD <100 mK
<b>Frame rate</b>	8.3 fps
General	
<b>Casing</b>	Aluminum IP66 and IP67-rated
<b>Connectors</b>	RJ12 for connection to AXIS FA54 Main Unit
<b>Operating conditions</b>	-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)
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<b>Approvals</b>	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 <b>Environment (Thermal 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, NEMA 250 Type 4X
<b>Dimensions</b>	<b>AXIS FA1080-E 2.2 mm:</b> 53 mm (2 1/16 in) ø 30 mm (1 3/16 in) <b>AXIS FA1080-E 4 mm:</b> 62 mm (2 7/16 in) ø 30 mm (1 3/16 in) Cable length: 12 m (39 ft)
<b>Weight</b>	Sensor with cable 370 g (0.8 lb)
<b>Required hardware</b>	AXIS FA54 Main Unit
<b>Included accessories</b>	AXIS F8201 Vari-angle Mounting Bracket
<b>Optional accessories</b>	AXIS F8203 Fixed Mount Bracket AXIS F8204 Mounting band AXIS F8205 Bullet Accessory AXIS F8212 Trim Ring For more accessories, see <a href="http://axis.com">axis.com</a>
<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Export control</b>	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: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>