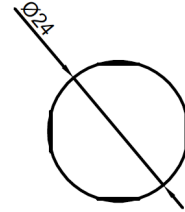
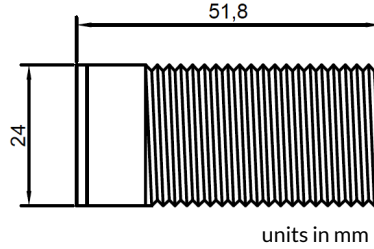




PROVISIONAL

## Thermal Image Sensor (THIMG-SC)



The THIMG-SC is a compact thermal image sensor designed for switchgear, offering a comprehensive solution to monitor all bus bars with its 768 discrete temperature measurement points and 4 reporting zones. It's mountable inside switchgear or onto existing IR windows, UL 61010 recognized, and integrates seamlessly via Modbus TCP or SNMP. Optionally available as an RS-485 sensor for direct integration with PLC and other systems, it provides flexible deployment options for efficient monitoring.

### Sensor Metrics:

Target temperature range	-40°C to 300°C (-40°F to 572°F)
Temperature accuracy	±1°C (±1.8°F)
Field of View (FoV)	110° horizontal (wide) 75° vertical
Max object distance	Up to 5m
Resolution	32x24 pixels

### Technical Specifications:

Powered by and communicates with	Base Unit (BASE-XX) (required) Requires the optional BASE-FW-SSLS firmware add on for the Base Unit
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Sensor power usage	492 mW

### Environmental Specifications:

Operating temperature range	-10°C to +85°C (14°F to 185°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

### Physical Specifications:

Sensor enclosure	Plastic material enclosure
Mounting option	Secure mounting with bolt and nut mechanism Can be mounted using two M24 nut
Dimensions	L: 51.8mm (2.04") W: 24mm (0.94") Ø: 24
Weight	32.9g (0.071lbs)