

Schneider
Electronics

SG-TC550

Thermal Imaging Camera

Advanced Infrared Precision for Industrial Professionals



NEW PRODUCT

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PRODUCT OVERVIEW

PRODUCT INTRODUCTION

The **SG-TC550** is a professional-grade thermal imaging camera designed for industrial inspection, predictive maintenance, and building diagnostics. Equipped with a VOx detector and Android platform, it delivers accurate, real-time temperature analysis in demanding environments.





KEY FEATURES

POWERFUL PERFORMANCE

- 192×256 Resolution
- 25Hz Real-Time Imaging
- -20°C to +550°C Range
- 0.1°C Sensitivity
- Multi-Point Measurement
- PDF Reporting

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INTELLIGENT IMAGING MODES



Thermal Mode



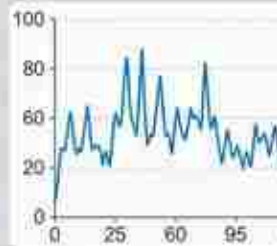
Fusion Mode (Thermal + Visible Image)



PIP (Picture in Picture) Mode



Audible and visual temperature alarm (High/Low)



Real-time temperature trend graph display

IMAGING MODES

- Thermal Mode
- Fusion Mode (Thermal + Visible Image)
- PIP (Picture in Picture) Mode
- Audible and visual temperature alarm (High/Low)
- Real-time temperature trend graph display

DESIGNED FOR MULTIPLE INDUSTRIES



INDUSTRIAL APPLICATIONS

- Electrical equipment inspection
- Building thermal analysis
- Preventive & Predictive Maintenance (PM & CM)
- Mechanical parts temperature monitoring
- Laboratory & educational applications

MEASUREMENT & ANALYSIS



SMART TEMPERATURE ANALYSIS

The SG-TC550 enables full-range temperature measurement across the entire image. Users can:

- Define multiple measurement points, lines, and areas
- View minimum, maximum, and center temperatures simultaneously
- Monitor temperature changes through real-time waveform graphs

TECHNICAL SPECIFICATIONS

Specification	Value
Detector	Uncooled VOx
Resolution	192×256
Spectral Range	8–14 μm
Temperature Range	-20°C to +550°C
FOV	42 °C × 56 °C
IFOV	3.75 mrad
Platform	Android



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