

Schneider
Electronics

SG-TC550

Thermal Imaging Camera

Advanced Infrared Precision for Industrial Professionals



NEW PRODUCT

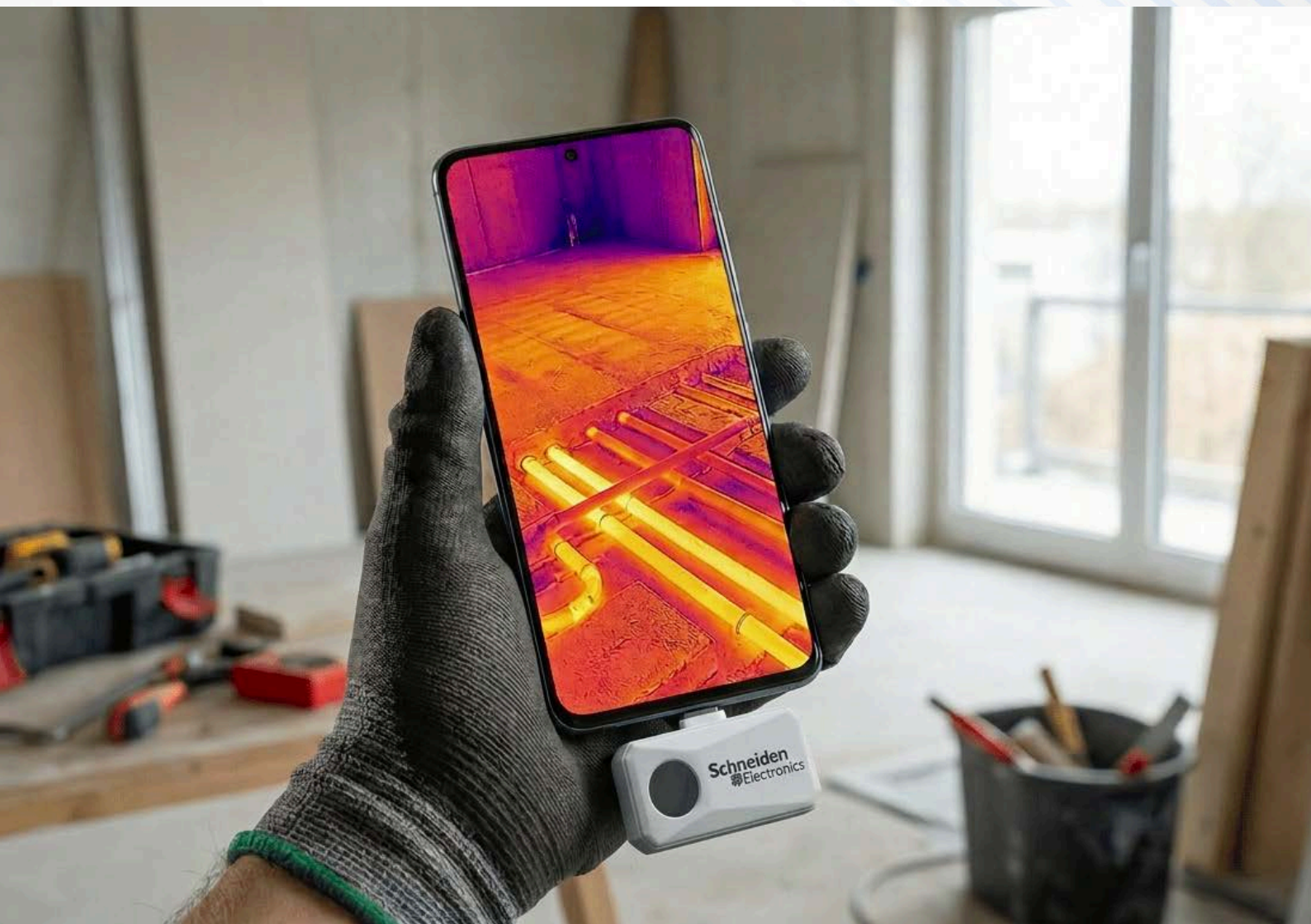
www.schneidenglobal.com

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

www.schneidenglobal.com

INTELLIGENT IMAGING MODES

Industrial Process Plant



Commercial Kitchen Sanitation



Building Facilities Maintenance



Underground Infrastructure Main



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



SG-TC550



SG-TC550

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

PDF Report Sample Layout

[illegible]

The graph displays the temperature rise of two machines over a 100-minute period. Both machines show a very similar, nearly linear increase in temperature, starting from 0°C at 00:00 and reaching approximately 75°C at 100:00. The data points for both machines are closely clustered, indicating consistent performance.

Time (HH:MM)	Machine 1 Temperature (°C)	Machine 2 Temperature (°C)
00:00	0	0
05:00	2	2
10:00	4	4
15:00	6	6
20:00	10	10
30:00	18	18
40:00	28	28
50:00	38	38
60:00	48	48
70:00	58	58
80:00	68	68
90:00	72	72
100:00	75	75

- Capture real-time thermal images and videos
- Automatically save temperature measurement videos
- Generate professional PDF reports
- Export temperature data in table format for further analysis

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



SG-TC550

Thermal Imaging Camera

Advanced Infrared
Precision for Industrial
Professionals



CONTACT US

Phone: +90 (212) 229 17 77

Whatsapp: +90 (530) 133 74 22

www.schneidenglobal.com