Manual Focus

High **Performance** Thermal Imagers
S300N. S320. S500. S600-M Series

STAN ONE ®

1 3.5" Large color touchscreen

3 Easy to use feather touch buttons

2 Manual focus knob - High precision image capture

2 Meter Drop Impact proof body

🎤 **4** Voice annotation and QR code naming functions free your hands
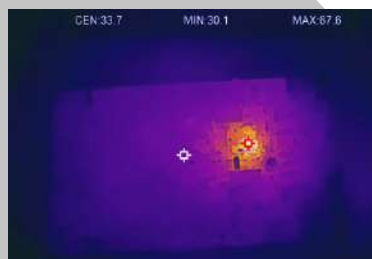
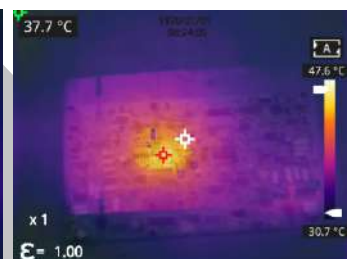**5** **Built-in 5 image modes+10 pseudo color settings**

5 image modes including detail enhancement, IR, visible light, PIP, and fusion, with 10 pseudo color settings, to meet the temperature measurements of different requirements and increase the efficiency of temperature measurement;
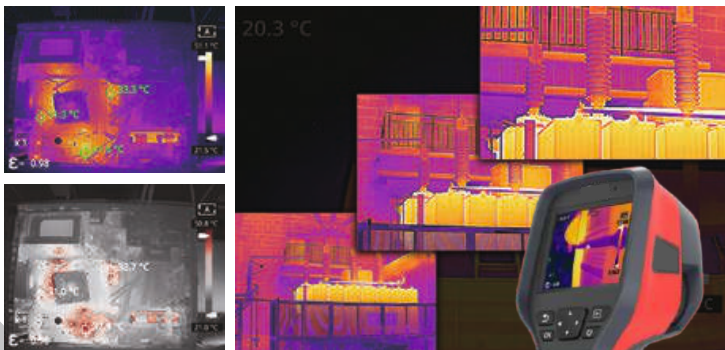
Visible light   IR   Thermal fusion   PIP

High Performance
Thermal Imaging Camera
| Manual Focus

Infrared thermal imaging core, easy to adapt to long and short distance applications

6 **5 Million Pixels Visible light camera**

The 12μm high-performance Infrared thermal imaging core, together with an accurate **manual focusing lens**, can observe the fine structure of circuit board accurately from a close distance, or inspect power lines and building facades far away.

With **Digital zoom** (S320, S500 & S600 Models: 1x , 2x, 4x, 8x; S300N Model: 1x, 2x , 4x) and ultra-high infrared resolution, it can perfectly replace the combination of one camera and multiple lenses - no need to change the lens.

7 **Start analysis once the USB is plugged, supports full-frame real-time transmission and analysis of temperature information**

It supports cloud services and **timed photographing**. The software on PC terminal supports **real-time** and offline analysis. The photos and videos taken can be uploaded to the cloud and can be downloaded, opened, and analyzed at multiple clients. The report output is by pressing one key, which further supports the applications in research and equipment monitoring and temperature measurement assessment.

Start analysis once the USB is plugged

8 **Timed Photography+ Alarm +Video**

Supports image capture. In addition supports timed photographing for recording temperature changes to assist equipment analysis , R&D, Breakdown study, with **High / Low Alarms** configurable to discover the fault point.

Also **Video capture** with **32GB Data Storage**.

9 **Simultaneous Capture of Thermal & Visible image with Temperature Data**

Thermal + Visible - two separate images with temperature data captures in one click for further diagnosis , comparison and corrective action. In addition record keeping of problem areas.

STAN ONE® | S300N-M

STAN ONE®

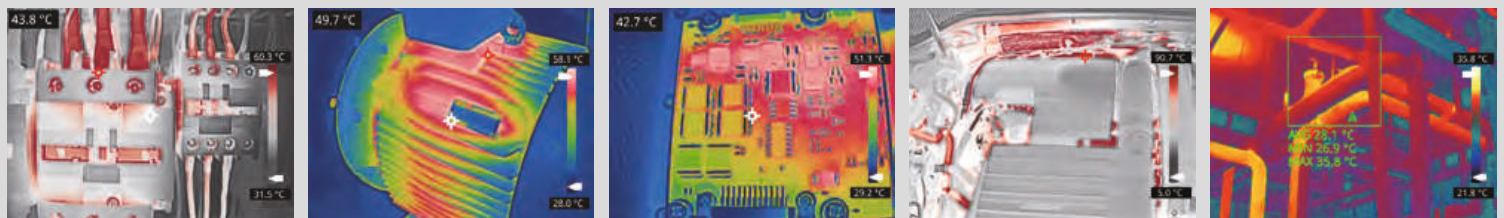## High Performance Thermal Imaging Camera | Manual Focus

S300N Thermal Camera is a powerful tool for proactive maintenance in Power Distribution Networks. With 256×192 thermal resolution and **24.8°×18.7°** FOV, S300N can display rich details at distances upto 12meters, An ideal instrument for **Breaker panels , automotive and equipment inspection** and relatively smaller sized objects/targets - to check for abnormality in temperature.

- Manual focusing provides clear images of targets from far to near, Especially for observing tiny near targets so the lens equipped on S300N is close to the quasi macro level, **tiny targets at the size of 1 mm (at the distance of 0.1m)** can be distinguished.

- Both **IR & visible camera images acquired together** with temperature data

- **Digital 4 x zoom**

3.5" Large color touchscreen

Easy to use feather touch buttons

Manual focus knob

+150°C

Measuring range

-20°C

+550°C

Impact proof body

Image & Video Capture	Timed Temperature Monitoring Alarm
256 x 192 Thermal Resolution	5 Megapixel visible camera
Distance Setting Upto 12m | IR+Visible Image in 1 Click	Software Processing + Reports
Auto Central spot measurement, Hot and cold spot tracing	IR, Visible, PIP, Dual-spectrum fusion mode

Application Fields :

Electrical Diagnosis   **Machinery Maintenance**   **Product Assessment**   **Automotive Maintenance**   **HVAC Maintenance**

High Performance Thermal Imaging Camera | Manual Focus

Specifications :

Model	S300N-M
Detector Type	Uncooled VOx infrared detector
Detector Resolution	256x192
Spectral Band	8~14 μm +/-0.5mm
Pixel Size	12μm
Thermal Sensitivity (NETD)	<40mK
IFOV	1.71mrd
FOV	24.8°×18.7°
Frame Rate (In Hz)	25
Focal Length (In mm)	7
Focusing Mode	Manual focusing
Measurement Range	Range 1: -20 to +150 ℃ ; Range 2: 100 to 550℃
Measurement Accuracy	±2℃ or ±2%
Measurement Resolution	0.1℃
Measurement Mode	Central spot measurement/Hot and cold spot tracing and temperature display
Custom Measurement of Points, Lines, and Areas	10 points/10 lines/10 areas/highest point, lowest point tracking/center point
Measurement Units	℃, °F, Kelvin
Emissivity Setting	0.01~1.00, step size 0.01
Distance Setting	0.5~12m, step size 0.5m
Image Mode	IR/Visible light/PIP/Dual-spectrum fusion
Palette	10
Alarm Mode / Temperature Alarm	Image alarm/Support temperature alarm
Visible Light Camera / Laser Pointer	Support Laser Pointer
Visible Camera Resolution	5 MP
Digital Zoom	1x, 2x, 4x
Photo/Video Storage Function	IR JPG picture + Visible Light JPG picture with temperature data; video without data
Voice annotation	Yes
Image naming	Auto/manual input, QR code scanning
Display Screen Size (Inch), Resolution	3.5-inch touch screen (640×480)
Data Storage	Standard 32GB Micro SD card
Battery Type	Rechargeable and dismountable lithium-ion battery
Power Supply	USB Type C
Connection Type	Type-C; WiFi
Battery Operation Time	4h
Charging Time	About 3h
Power Management	Automatic shutdown: 5 min, 10 min, 20 min, non-automatic shutdown
Analysis Software	PC & APP
Operating Temperature | Storage | RH %	-10~+50℃ | -20~+60℃ | 10%~95% RH
Environmental | Drop Protection	IP54 | 2m
Impact and Vibration	Impact 25g (IEC 60068-2-27); vibration 2.5g (IEC60068-2-6)
Dimensions (HxWxD) | Weight	258.4 × 105.1 × 102.3 (mm) | 660g
Product Supply includes	Power adapter, Charging bay, Battery (1 mains +1 spare), Data cable, SD card, User manual

STAN ONE® | PC Analysis Software

High- Performance Handheld Thermal Imaging Camera

PC analysis software offered for all "M" models and S280 Pro to:

1. Perform real time monitoring of thermal imaging using device, directly on PC, by connecting USB Cable from thermal imaging camera to PC.

2. Download the data from the thermal imaging camera for analysis. Each pixel can be checked individually for temperature data to find anomalies.

Real Time-IR Mode

Real Time-3D View

IR Mode

Fusion Mode

Visible Mode

PIP Mode