Manual Focus

High **Performance** Thermal Imagers

S300N. S320. S500. S600-M Series

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**

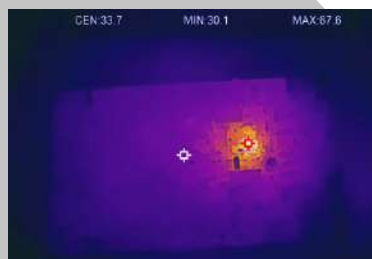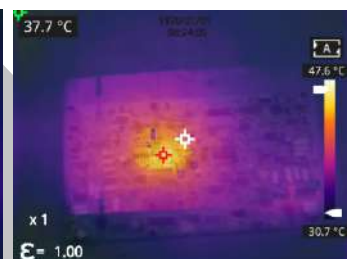**5** **Built-in 5 image modes+10 pseudo color settings**

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;
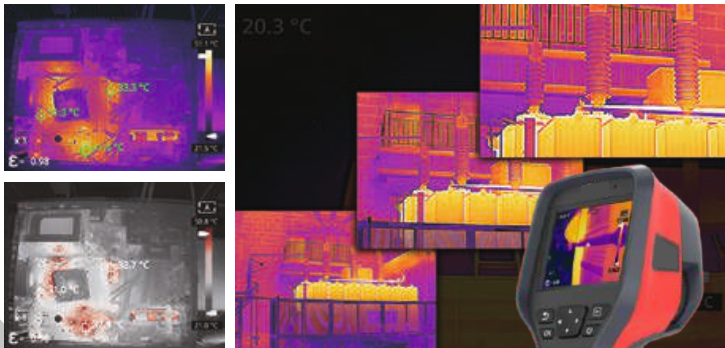
Visible light   IR   Thermal fusion   PIP

High Performance
Thermal Imaging Camera
| Manual Focus

STAN ONE®

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® | S600-M

High Performance Thermal Imaging Camera. Upto 550 Deg C Temperature. 640 X 512 Resolution. FOV 48°× 38°. iFOV 1.31mrad.
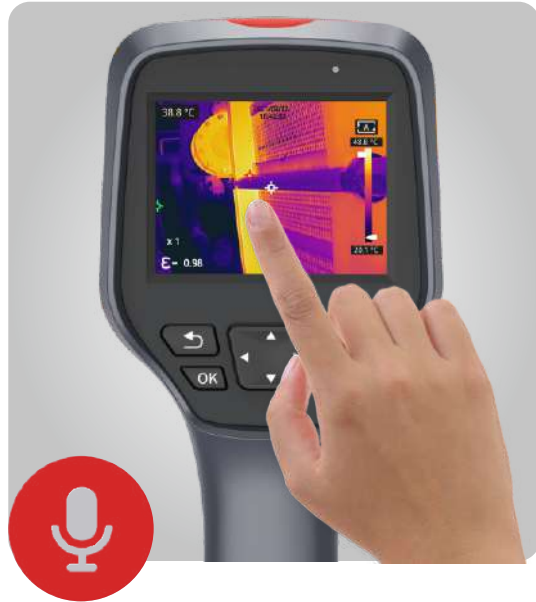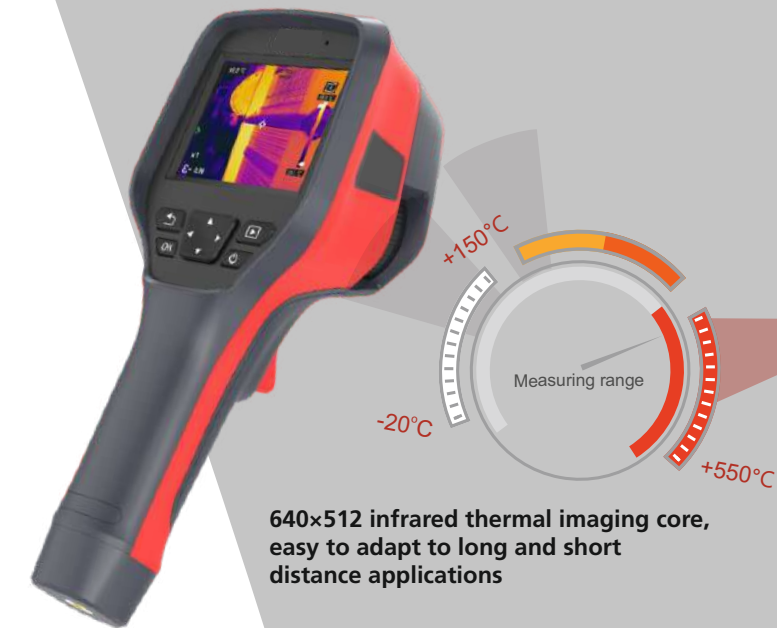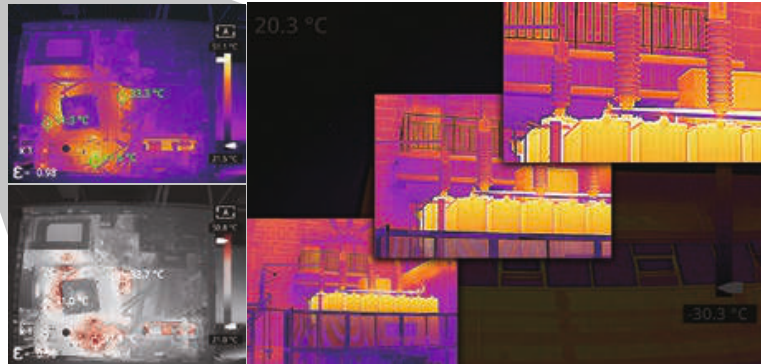
HD thermal image displayed on a 3.5-inch HD touch screen

Top of the line Ultra high thermal resolution of 640×512 & **FOV of 48°×38°** for demanding applications & customers, for viewing clear temperature information over a wider area **upto 12m distance** on a 3.5-inch HD touch screen.

High resolution, high frame rate. S600 can distinguish a **temperature difference of 0.035°C**, and together with the **30 Hz high frame rate**, can obtain delicate and smooth images and videos in industrial, utility maintenance & scientific research works, with no detail missing.

Ideal for continuous monitoring of a target area.

Voice annotation and QR code naming functions free your hands

The 12µm high-performance 640×512 infrared thermal imaging core, together with an accurate **manual focusing lens**, can observe minute variations from close to far distances such as inspect power lines and power installations . With **8x digital zoom** and ultra-high infrared resolution, S600 provides both dual fusion and visible images with temperature data in one click.

Image & Video Capture	Timed Temperature Monitoring Alarm
640x512= 327680 Thermal Resolution	**5 Megapixel Visible Camera**
**Distance Setting Upto 20m	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**

+150°C

Measuring range

-20°C

+550°C

640×512 infrared thermal imaging core, easy to adapt to long and short distance applications

STAN ONE® | S600-M

STAN ONE®

High- Performance Handheld Thermal Imaging Camera

Specifications :

Model	S600-M
Detector Type	Uncooled VOx Infrared Focal Plane Detector
Detector Resolution	640×512
Spectral Band	8~14μm +/-0.5mm
Pixel Size	12μm
Thermal Sensitivity (NETD)	<35mk
IFOV	1.31mrad
FOV	48°×38°
Frame Rate (In Hz)	30
Focal Length (In mm)	9.1
Focusing Mode	Manual focusing
Measurement Range	Range 1: -20 to +150 ℃ ; Range 2: 100 to 550℃
Measurement Accuracy	±2℃ or ±2% of the reading
Measurement Resolution	0.1°C
Measurement Mode	Central spot measurement/Hot spot and cold spot tracing, and temperature display
Custom Measurement of Points, Lines, and Areas	Movable point/line/area temperature measurement; displaying hot spot tracing for line/area temperature measurement; displaying the highest temperature value for line temperature measurement, and displaying the highest, lowest and average values for area temperature measurement
Measurement Unit	Centigrade, Fahrenheit, Kelvin
Distance Setting	0.5 to 12m
Image Mode	IR, visible light, PIP, fusion
Palette	10
Alarm Mode / Temperature Alarm	Image alarm/Support temperature alarm
Temperature Range of Color Code	Manual/ Automatic temperature range
Visible Light Camera / Laser Pointer	Yes
Visible Camera Resolution	5 MP
Digital Zoom	1x, 2x, 4x Max. 8X
Photo / Video Storage Function	IR .jpg picture + visible light .jpg picture with temperature data; video without data
Voice Annotation Function	Voice annotation via microphone
Image naming	Auto/manual input, QR code scanning
Display Screen Size (Inch), Resolution	3.5-inch LCD touch screen (640x480)
Data Storage	Standard 32GB Micro SD card
Cloud Function	Transfer shooting data to cloud drive, share data and perform secondary analysis at multiple clients; support automatic time synchronization
Battery Type	Rechargeable Li-ion battery
Power Supply	USB Type C
Connection Type	USB, SD card, WiFi (AP mode or networking mode)
Battery Operation time	About 3h
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°C~+50°C | -20°C~+60°C | 10% - 95% RH
Environmental | Drop Protection	Ip54 (IEC 60529) | 2m
Impact and Vibration	Impact 25g (IEC 60068-2-27); vibration 2.5g (IEC60068-2-6)
Dimension (H×W×D) | Weight	256.4 ×105.1 ×105.3 (mm) | About 670g
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.
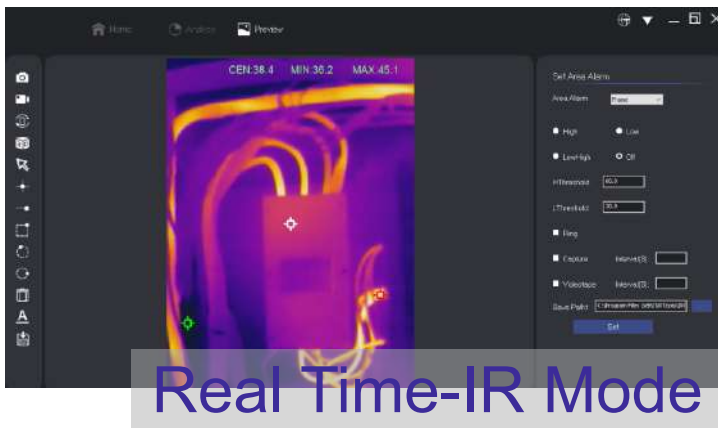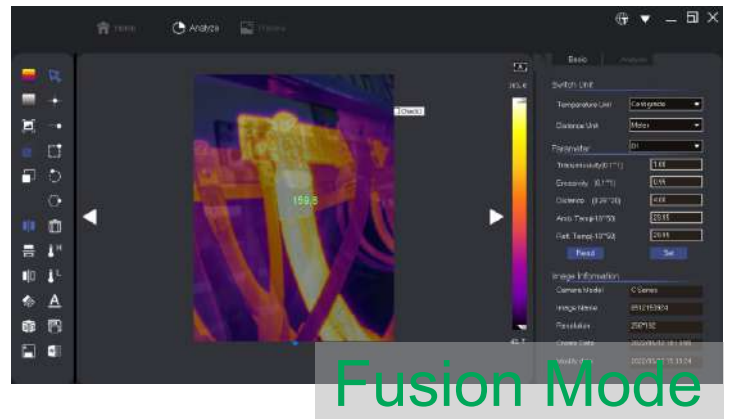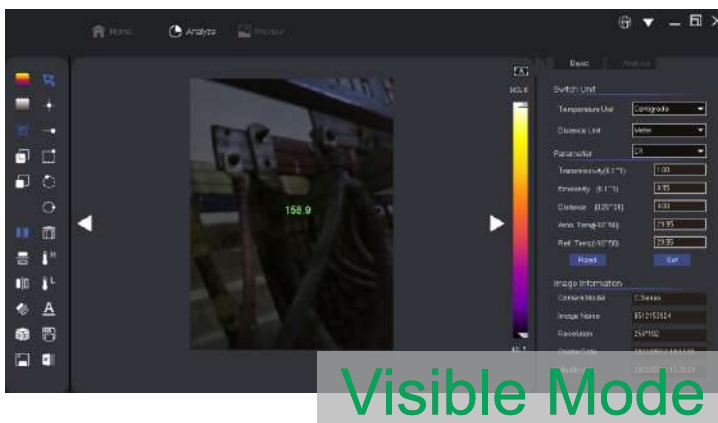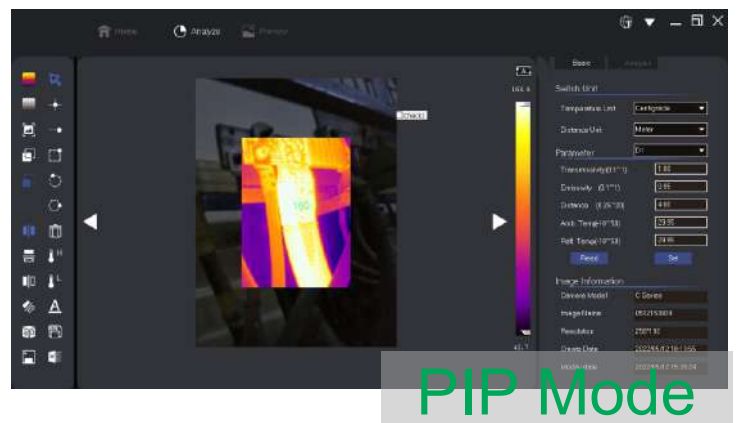

Real Time-IR Mode
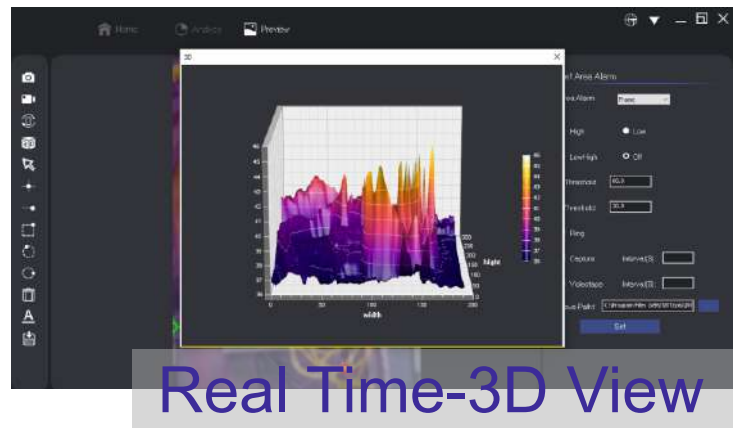
Real Time-3D View
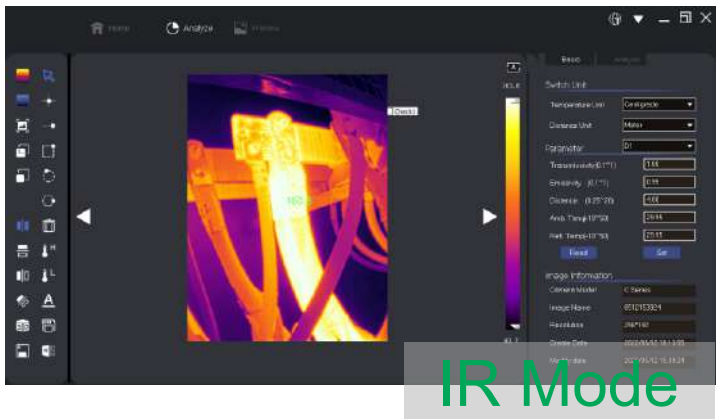
IR Mode

Fusion Mode

Visible Mode

PIP Mode