ESIS®

UNI-2168A
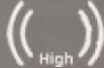## INFRARED THERMAL IMAGER

Audible Alarm

- **Fast high temperature tracking**
- **2.8 inch TFT screen**
- **Infrared resolution: 80x60**
  Frame rate: 9Hz
- **Temperature measurement range:**
  30ºC~45ºC (86ºF~113ºF)
- **Best test distance 1M**
- **Accuracy: ±0.5ºC**
- **Custom high and low temperature**
  limit alarm indication
- **Built-in buzzer sound alarm**
- **Swatches: White Hot, Red Hot,**
  Ice Blue, Rainbow, Iron Red
- **Take photos and save photos**
  to SD card (16G)
- **PC report software (report can be exported)**
- **Rechargeable lithium battery with**
  Type-C USB interface
- **Tripod mounting hole 1/4 inch connector**

Measurement range: 30ºC~45ºC
Accuracy: ±0.5ºC

CE RoHS

Uncooled focal plane sensor	High and low temperature measurement	Visual defects	Adjustable emissivity	Rechargeable lithium battery
30ºC ~ 45ºC	80 X 60	High	Type-C USB charging	Flashlight function
Temperature range	Thermal imaging resolution	High and low temperature sound LED alarm	Type-C USB charging	Flashlight function

All specifications are subject to change without prior notifications.
Drawings contained in this document are for reference only.

UNI-2168A
INFRARED THERMAL IMAGER

5 Swatches Choice
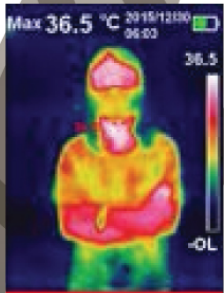
Rainbow

Iron Red

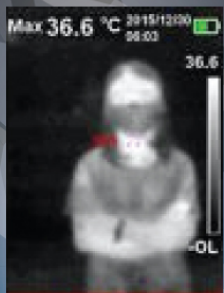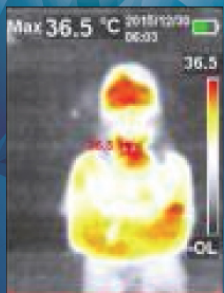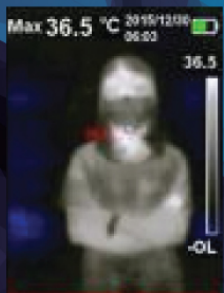White Hot

Red Hot

Ice Blue

SPECIFICATION	UNI-2168A
Sensor	Uncooled focal plane
Temperature range	30°C~45°C / 86°F~113°F
Resolution	0.1°C
Accuracy	±0.5°C / ±0.9°F
Best test distance	1m
Response time	≤500ms
Thermal imaging pixels	80×60 (4800)
Pixel size	17μm
Display resolution	320x240
Infrared spectrum band light	8~14μm
(FOV)	51° × 38°
(IFOV)	11mrad
Thermal imaging sensitivity	≤150mk
Frame rate	≤9Hz
Image mode	Thermal imaging
Swatches	White hot, red hot, ice blue, rainbow, iron red
Communication	Type-C USB
PC Software	YES
Image format	BMP
Battery	Li-ion 3.6V/5000mAh Rechargeable lithium polymerbattery
Auto shutdown	(5mins, 10mins, 30mins, OFF) Default 30 min
Usage time	Not less than 6 hours
Charging time	About 4 hours
Charging voltage/current	5V/2A
Storage	Micro SD
Product size	236mm x 75.5mm x 86mm
Display type	2.8" TFT LCD
Temperature Display	Center point temperature measurement and high temperature tracking
Button	10 buttons (power, camera, return, left and right up and down, navigation, SET, picture tour, LED lighting key)
Storage temperature	-20°C~60°C (-4°F~140°F)
Operation Temperature	15°C~30°C (59°F~86°F), <85% RH
Altitude	Not more than 2000M

High temperature sound + LED light alarm

The high temperature alarm value can be customised to be set to 37.2°C.
For the temperature value ≥37.2°C, it will flash a light prompt, the screen high temperature alarm prompt, the overtemperature picture is automatically saved, and the voice overtemperature alarm prompt can also be realized, which can effectively help fast screen fever personnel.

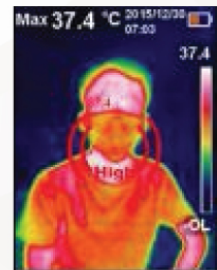**High temperature flashing notification**

Temperature settings

High : 37.2°C

Low : 30.0°C

The temperature eye function of high temperature alarm and low temperature alarm can be set according to the actual application scenario

Center point marking and full-screen automatic tracking of high and low temperatures, while displaying temperature

The screen shows a high temperature message

Buzzer Alarm