

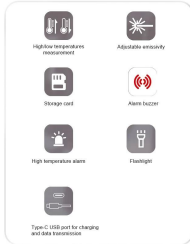


# Professional Thermal Imager

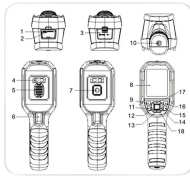
Temperature range: 30°C-45°C



## Product characteristics



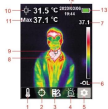
## Structure



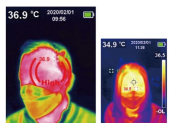
Item	Description	Item	Description
1	Micro SD card slot	10	Flashlight
2	Top/C/L/R interface	11	Flashlight button
3	Interface cover	12	Left button
4	LED light	13	Down button
5	Infrared camera lens cover	14	Right button
6	Trigger	15	Back button
7	Infrared camera lens	16	Ready button
8	LCD	17	Up button
9	Power button	18	SET button

## Display

Display size 2.8"  
Display resolution: 320 (vertical) x 240 (horizontal) pixels



Item	Description	Item	Description
1	Temperature unit option	6	Minimum temperature point
2	Center option	9	Center point
3	Color palette option	10	Center point temperature
4	High/Low temperature alarm option	11	Maximum temperature
5	Settings icon bar lower value	12	Time & time
6	Temperature bar lower value	13	Battery status
7	Temperature bar upper value		



**HL0 Temperature Alarm:** Central point temperature measurement, high/low temperature audio alarming and real-time temperature display.



**Alarm buzzer:** +32°C high temperature audio alarm

## Specifications

Sensor	UPPA
Temperature range	30°C-45°C
Measurement resolution	0.1°C
Accuracy	±0.5°C (at 25°C ambient temperature)
Optimal measuring distance	1 meter
Minimum measuring distance	15cm
Response time	200ms
IR radiation	4000 pixels (30x140)
Pixel size	15µm
Color palette	Iron Red, Rainbow, White Hot, Red Hot, Ice Blue
Internal optical band	0.4µm-14µm
Field of view (FOV)	51° (size 20° H)
Spot/Resolution (IFOV)	3.3mrad
Thermal sensitivity (NETD)	±150mK
Display size	2.8"
Image format	BMP
Compliance	EN 61010-1 2011, EN 61010-2-2:2011, EN 61010-3

## General parameters

Audio alarm	Yes
PC software	Yes
Data transmission	Type-C USB interface
Product size (L x W x H)	230mm x 75 mm x 36mm
Display type	2.8" TFT LCD
Display resolution	320 x 240 pixels
Battery	3.6V/1000mAh (rechargeable lithium battery)
Auto power off	1 minute, 5 minutes, 10 minutes (default: 30 minutes)
Battery life	16 hours
Charging time	4 hours
Charging voltage	5V/2A
Input Voltage	Input: 5V/1A
Transportation storage environment	-30°C-60°C (F: -10°F-140°F)
Operating altitude	<math>0\sim 10000\text{m}</math>