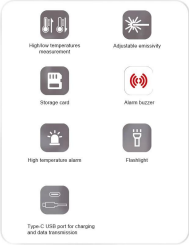
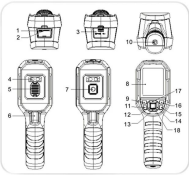
Product characteristics



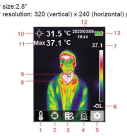
Structure



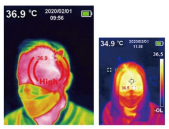
Item	Description	Item	Description
1	Micro SD card slot	10	Tripod mounting hole
2	Type-C USB interface	11	Flashlight button
3	Interface cover	12	Left button
4	LED light	13	Down button
5	Infrared camera lens cover	14	Right button
6	Trigger	15	Back button
7	Infrared camera lens	16	Replay button
8	LCD	17	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	8	Maximum temperature point
2	Cursor option	9	Center point
3	Color palette option	10	Center point temperature
4	High/Low temperature alarm option	11	Maximum temperature
5	Settings option	12	Date & time
6	Temperature bar lower value	13	Battery status
7	Temperature bar upper value		



Hi/LO Temperature Alarm: Central point temperature measurement, high/low temperature auto tracking and real-time temperature display.

Alarm buzzer: >37.2℃ high temperature audible alarm

Specifications

Sensor	UFPA
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	≤500ms
IR resolutes	4800 pixels (80x 60)
Pixel size	17μm
Color palette	Iron Red, Rainbow, White Hot, Red Hot, Ice Blue
Infrared spectral band	8μm~ 14μm
Field of view (FOV)	51° (H)x 38° (V)
Spatial resolution (IFOV)	11mrad
Thermal sensitivity (NETD)	≤150mK
Frame rate	≤9Hz
Image format	BMP
Certifications	CE (EN 61326-1:2013, EN 61326-2-2:2013, EN 61326-2-3:2013)

General parameters

Audio alarm	Yes
PC software	Yes
Data transmission	Type-C USB interface
Product size (L x W x H)	236mm x 75.5mm X 86mm
Display type	2.8"TFT LCD
Display resolution	320 x 240 pixels
Battery	3.6V/5000mAh rechargeable Li-ion battery
Auto power off	5 minutes, 10 minutes, 30 minutes,off (default: 30 minutes)
Battery life	36 hours
Charging time	4 hours
Charging voltage/current	5V/2A
Image storage	Micro SD card
Transportation/storage environment	-20°C~60°C (-4°F~140°F), ≤85% RH (non-condensing)
Operating altitude	≤2000m