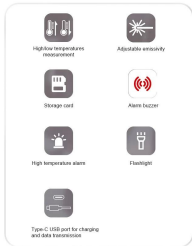
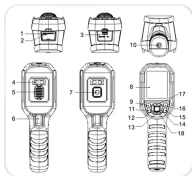


### Product characteristics



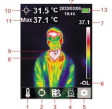
### Structure



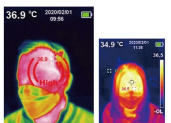
| Item | Description                | Item | Description           |
|------|----------------------------|------|-----------------------|
| 1    | Micro SD card slot         | 10   | Triangl mounting hole |
| 2    | Triangl. LED interface     | 11   | Flashlight button     |
| 3    | Interface cover            | 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:** +12°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  |
| Intfrared spectral band    | 8µm-14µm   |
| Field of view (FOV)        | 51° (size 20° H)                                 |
| Spatial resolution (IFOV)  | 3 mrad   |
| Thermal sensitivity (NETD) | ±150mK   |
| Display size               | 2.8"   |
| Image format               | JPG  |
| Certification              | EN 61010-1 2011, EN 61010-2-2:2011, EN 61010-2-3 |

### General parameters

|                                    |   |
|------------------------------------|---|
| Audio alarm                        | Yes   |
| PC software                        | Yes   |
| Data transmission                  | Type-C USB interface                                  |
| Product size (L x W x H)           | 200mm x 75 mm x 80 mm                                 |
| 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\text{--}10000\text{m}</math>                  |