

ASIT-5101TM

THERMAL IMAGER



Features :

- 2.8" TFT screen
- Infrared resolution: 160×120
- Frame rate: 9Hz
- Temperature measurement range: 30°C~45°C
- Accuracy: $\pm 0.5^{\circ}\text{C}$
- Photograph function with SD card storage
- PC software analysis
- Real-time image transmission
- Visual camera (640×480)
- Type-C USB interface
- 1/4" tripod mounting hole



*High-temperature alarm

The customized high temperature limit can be set to 37.3°C. For the temperature $\geq 37.3^{\circ}\text{C}$, indicator light and screen will indicate high temperature alarm, which can effectively and quickly screen individuals with abnormal temperature.



Real-time image transmission

Set the USB mode to USB camera, connect the USB cable to the computer to mirror the computer software by real-time image transmission.

| SPECIFICATION | ASIT-5101TM |
|---------------------------------------|---|
| Sensor | Uncooled focal plane array |
| Temperature range | 30°C~45°C |
| Resolution | 0.1°C |
| Accuracy | ±0.5°C (@ 25°C ambient temperature) |
| Optimal measuring distance | 1m |
| Temperature measurement response time | ≤500ms (95% of reading) |
| Thermal resolution | 19200 (160×120) |
| Pixel dimensions | 12μm |
| Palettes | Iron red, rainbow, glowing white, glowing black, glowing red, lava, high-contrast rainbow |
| Bandwidth of infrared spectroscopy | 8~14μm |
| Field of view (FOV) | 56°(H) × 42°(V) |
| Instantaneous field of view (IFOV) | 6mrad |
| Thermal imaging sensitivity | <50mk |
| Frame rate | <9Hz |
| Temperature display | Center temperature measurement and high temperature tracking (default) |
| Image format | BMP |
| Image modes | Thermal camera, visible camera, image blending |
| Temperature measuring point | Besides central point, 3 temperature measuring points can be added |
| Visual camera | √ |
| Resolution of visible camera | 640×480 |
| Display resolution | 320×240 |
| Image blending | 0% (total visual camera), 25%, 50%, 75%, 100% (total thermal camera) |
| PC analysis software (PC) | √ |
| Real-time image transmission | PC software image projection |
| Data communication | Type-C USB |
| Auto power off | Selectable (5min, 10min, 30min), 30min auto power off (default) |
| Battery life | ≥6 hours |
| Charging time | ≤5 hours |
| Charging voltage/current | 5V/2A |
| Image storage | Micro SD card |
| GENERAL CHARACTERISTICS | |
| Power | A single Li-ion 3.7V/5000mAh 26650 battery |
| Display | 2.8" TFT LCD |
| Product color | Red + grey |
| Product size | 236mm x 75.5mm x 86mm |
| Standard accessories | Manual, Type-C USB cable, 16GB TF card |
| Standard carton gross weight | 2.2kg |