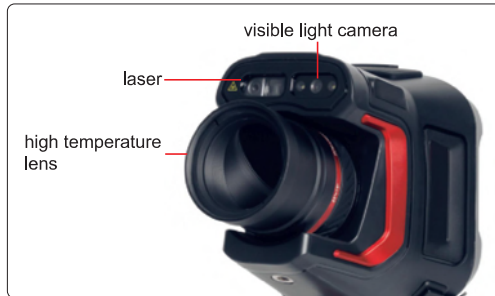


# INFRARED THERMAL IMAGING CAMERAS

**IP54**  
WATERPROOF

**DATA**  
OUTPUT



**0234-TC850B**

- Suitable for electric power, oil and petrochemical, heating ventilation and air conditioning, electronic information, etc.
- 4 image modes: IR, VL, MIF and PIP
- Software is included: support file management, thermal image analysis, video analysis, report editing, etc.
- Mobile APP is included: support real-time data and video transmission

## SPECIFICATION

| Part No.                 |                                 | 0234-TC850A   | 0234-TC850B  |
|--------------------------|---------------------------------|---|--|
| Measurement and analysis | measurement range               | support auto-switching: -40°F~302°F, 32°F~1202°F  | support auto-switching: -40°F~302°F, 32°F~1202°F, 932°F~3632°F (high temperature lens is required, included) |
|                          | measurement accuracy            | ±3.6°F or ±2%, whichever is greater   |  |
|                          | analyzed target                 | 12 in total (spot/line/area)  |  |
|                          | temperature alarm               | full screen temperature alarm with image, voice and flash   |  |
|                          | temperature measuring parameter | emissivity, reflected temperature, target distance, humidity, atmospheric temperature, optical transmittance, dew point   |  |
|                          | others                          | isothermals, smart stroke, intelligently calculate the area   |  |
| Image display            | display screen                  | 4.3" touchscreen LCD, 800×480 pixel   |  |
|                          | digital camera                  | 8MP   |  |
|                          | image mode                      | IR, VIS, MIF, PIP   |  |
|                          | image adjustment                | level span mode: automatic, semi-automatic, manual  |  |
|                          | color palettes                  | 15: white hot, iron red, arctic, rainbow 2, hot iron, rainbow 1, fulgurite, medical, tint, black hot, blue hot, sepia, green hot, ice and fire, amber; customized |  |

**SPECIFICATION**

|                                 |                                  |   |
|---------------------------------|----------------------------------|---|
| <b>Imaging and optics</b>       | <b>detector type</b>             | unrefrigerated vanadium oxide, .0003"~.0006"  |
|                                 | <b>infrared resolution</b>       | 480×360@.0005"  |
|                                 | <b>super resolution</b>          | upgrade to 960×720  |
|                                 | <b>thermal sensitivity/NETD</b>  | 45mK  |
|                                 | <b>infrared frame rate</b>       | 30Hz/9Hz  |
|                                 | <b>focal length</b>              | .70"  |
|                                 | <b>field of view</b>             | 25°×19°   |
|                                 | <b>spatial resolution/IFOV</b>   | .91mrad   |
|                                 | <b>minimum object distance</b>   | 5.91"   |
|                                 | <b>distance to spot size/D:S</b> | 1099:1  |
|                                 | <b>focusing mode</b>             | manual, automatic, touch autofocus, continuous autofocus  |
|                                 | <b>digital zoom</b>              | 1.1x~16x  |
| <b>Function</b>                 | <b>laser</b>                     | indication/ranging: 3.94"~1574.8"   |
|                                 | <b>recording function</b>        | photo (image stitching) and video (infrared and visible light)  |
|                                 | <b>cloud service</b>             | available   |
| <b>Storage and transmission</b> | <b>storage</b>                   | built-in 64GB and external SD card (64GB and up to 256GB)   |
|                                 | <b>image storage</b>             | JPG (with temperature information)  |
|                                 | <b>video storage</b>             | MP4 (without temperature information) can be used to record audio synchronously; IRGD (with temperature information), up to 30Hz for temperature analysis |
|                                 | <b>external interface</b>        | TYPE-C, SD card slot, 1/4" tripod mounting  |
|                                 | <b>WIFI</b>                      | can be connected to the mobile terminal for image and real-time video transmission  |
|                                 | <b>bluetooth</b>                 | bluetooth 5.0, support image transmission (only for Android)  |
| <b>Power supply</b>             | <b>battery type</b>              | lithium-ion rechargeable battery, operating time≥4 hours  |
|                                 | <b>charging mode</b>             | TYPE-C charging; PC/portable charger; capable of charging while using; desktop charger  |
|                                 | <b>charging time</b>             | 90% of full charge in 2.5 hours   |
| <b>Environmental parameter</b>  | <b>operating temperature</b>     | -4°F~122°F  |
|                                 | <b>protection</b>                | IP54, 78.7" drop test   |
|                                 | <b>certification</b>             | CE, ROHS  |
| <b>Physical parameter</b>       | <b>hardware</b>                  | illuminator, microphone, speaker, electronic compass, GPS   |
|                                 | <b>dimension</b>                 | 11.5×4.92×4.92"   |
|                                 | <b>weight</b>                    | 2.65lb  |

**STANDARD DELIVERY**

|                            |                      |   |
|----------------------------|----------------------|---|
| <b>Part No.</b>            | <b>0234-TC850A</b>   | <b>0234-TC850B</b>                          |
| <b>Infrared lens</b>       | 1 pc (standard lens) | 2 pcs (standard lens+high temperature lens) |
| <b>Main unit</b>           | 1 pc                 |   |
| <b>64G SD card</b>         | 1 pc                 |   |
| <b>Lithium-ion battery</b> | 2 pcs                |   |
| <b>Desktop charger</b>     | 1 pc                 |   |
| <b>Power adapter</b>       | 1 pc                 |   |
| <b>Software</b>            | 1 pc                 |   |

**OPTIONAL ACCESSORY**

|               |                   |
|---------------|-------------------|
| <b>Tripod</b> | <b>0701-TR175</b> |
|---------------|-------------------|