

## ThermoPro™ TP8 & TP8S

### Top-end IR Thermographic Camera



TP8S

TP8

Improved on the most advanced IR package available now, integrating multiple technologies never used in the industry, ThermoPro™ TP8 & TP8S are another ingenious solution Guide IR provides for professional IR thermographers around the world. In a rugged, compact and durable magnalium casing, ThermoPro™ TP8&TP8S offer a wide assortment of unexpected features that enable thermographers to work with unprecedented efficiency and productivity. Exceeding all the existing IR radiometric cameras, it sets another new standard of the first-class products for the whole industry.

#### Applications

- Predictive and preventative maintenance
- Electricity inspections
- Building diagnostics
- Technical diagnostics
- Veterinarian helper
- Portable law enforcement

#### Features and Benefits

- New-generation high-performance IR detector
- Intuitive detachable touch screen & remote control handle
- High thermal sensitivity and precise temperature measurement
- High-resolution image presentation
- Real-time radiometric recording and JPEG image storage
- High-speed data transfer via USB2.0
- Synchronous video output on VGA LCD screen
- OLED viewfinder, VGA display device & TV display device
- Ultra-large-capacity 2GB SD memory card
- Compact architecture and intuitive touch screen control
- Robust post-processing software
- License free and rapid delivery



|                                    | TP8   | TP8S                                       |
|------------------------------------|---|--|
| <b>Imaging Performance</b>         |   |  |
| Detector Type                      | Microbolometer UFPA 384×288 pixels, 25 μ m  |  |
| Spectral Range                     | 8-14 μ m  |  |
| Thermal Sensitivity                | ≤0.08° C at 30° C   |  |
| Field of View(FOV) Version A       | Standard lens 21.7° ×16.4° /25mm  |  |
|                                    | Optional wide-angle lens 44.3° x 33.9° /11.8mm  |  |
|                                    | Optional tele lens 7.8° x 5.9° /70mm  |  |
| Field of View(FOV) Version B       | Standard lens 15.6° ×11.7° /35mm  |  |
|                                    | Optional wide-angle lens 33.4° x 25.4° /16mm  |  |
|                                    | Optional tele lens 5.5° x 4.1° /100mm   |  |
| <b>Image Presentation</b>          |   |  |
| External Display                   | 3.5" high resolution color VGA LCD, 640×480 pixels  |  |
| Image Display                      | Thermal image alone/ Visual image alone/ Picture in picture/Image fusion  |  |
| <b>Measurement</b>                 |   |  |
| Temperature Range                  | -20 °C- +800°C<br>(up to +2000°C optional)  | -20 °C- +600°C<br>(up to +2000°C optional) |
| Accuracy                           | ±2° or ±2% of reading;  |  |
| Measurement Modes                  | Auto hot/cold spot , auto alarm for temperature above or below ; spots, areas displaying either max, min, or average, vertical & horizontal line profile, delta-t, histogram & isotherm in live/zoomed/frozen/saved image & video |  |
| <b>Image Storage</b>               |   |  |
| Type                               | Removable 2GB SD card or built-in flash memory  |  |
| Voice Annotation                   | Up to 60 seconds per file   |  |
| <b>Laser Locator</b>               |   |  |
| Classification Type                | Class 2 semiconductor laser   |  |
| <b>Power System</b>                |   |  |
| Battery Type                       | Rechargeable Li-ion Camcorder battery, field- replaceable   |  |
| Battery Operating Time             | Over 2.5 hours continuous operation   |  |
| <b>Environmental Specification</b> |   |  |
| Operating Temperature              | -20 °C~+60 °C (-40 °C~+70 °C optional)  |  |
| Storage Temperature                | -20 °C~+60 °C (-40 °C~+70 °C optional)  |  |
| <b>Interfaces</b>                  |   |  |
| USB 2.0                            | Image and real-time video transfer to PC;<br>Real-time control of the camera on PC;   | Image transfer to PC                       |
| <b>Physical Characteristics</b>    |   |  |
| Weight                             | 1.1kg (including battery & LCD)   |  |
| Size                               | 186mm×106mm×83mm (standard model)   |  |