



DT-9868

Economical Thermal Imager

The device is a professional Infrared 32x31 pixels imager thermometer with 2.2" color TFT LCD Display, 32x31 pixels imager & a Micro SD card for capturing images (BMP) for viewing on your PC, providing fast, easy and accurate reading for most surface temperature measurement. This product combines the convenience of an infrared thermometer with the visual advantage of a thermal imager creating a brand new tool category -a troubleshooting camera with infrared heat map.



FEATURES

- 2.2" 320x240 TFT LCD Display
- IR Temperature Measurement with Resolution 32x31 pixels
- Image Capture Frequency 9Hz
- Thermal Sensitivity (NETD) $\leq 150\text{mK}$
- Hot Spot and Cold Spot Tracking
- Visual Camera & Images Capture (BMP)
- Micro SD Memory Card
- Date / Time Setup Controls, Adjustable Emissivity & Trigger lock
- Li-Ion Rechargeable Battery
- USB Interface for Charge and download Image form SD Memory

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SPECIFICATIONS

| Temperature | |
|---|---|
| Temperature Measurement Range | -20°C to + 300°C |
| Temperature Measurement Accuracy | ±2% ± 2°C as tested (at 25°C) |
| On-Screen Emissivity Correction | Yes |
| On-Screen Reflected Background Temperature Compensation | Yes |
| Image Performance | |
| Image Capture Frequency | 9 Hz |
| Detector Type | Uncooled pyroelectric ceramic |
| Thermal Sensitivity (NETD) | ≤150 mK |
| Infrared Spectral Band | 6.5 μm to 14 μm |
| Visual Camera | 48608 pixels |
| Field of View | 38 x 38 Degrees |
| Focus Mechanism | Fixed Focus |
| Image Presentation | |
| Palettes | Hot Metal, Ironbow, Rainbow, Rainbow High Contrast, Grayscale (white hot) and Grayscale (black hot) |
| Level and Span | Auto |
| Blending Information | |
| Parallax Correction of Visual and IR Blending | 0.5m, 1.0m, 2.0m, 3.0m |
| View Options | Blending of the visual and the infrared from full infrared to full visual in 25% steps |
| Hot Spot and Cold Spot Tracking | Yes |
| Image capture and data storage | |
| Image Capture | Image available for review before a save |
| Storage Medium | Micro SD memory card, stores up to 6,000 images / GB |
| File Format | BMP |
| Memory Review | Scroll through all saved images and view on-screen |
| Operating Temperature | 0°C to + 50°C |
| Storage Temperature | -20°C to + 60°C |
| Relative Humidity | 10% to 90% non-condensing |
| Display | 2.2 in diagonal 320*240 TFT LCD |
| Overload Display | - |

INCLUDED ACCESSORIES:

Instruction Manual, Battery, Battery Charger, USB Cable, Carrying Case, Test Report

NETD
0.15°C

Thermal sensitivity
0.15°C (0.27°F)
@ 1Hz and 100°C



JPG images/3GP videos



Fold reading on the images



USB interface & Micro SD memory Card

