

UTi-160B

THERMAL IMAGER

- A perfect tool for troubleshooting electrical installations, electro-mechanical equipment, process instrumentation, etc.
- Various lens available, supports changing in the scene
- 6-palletes clear and crisp image display
- 2GB image storage (optional 16GB max.), PC software
- High resolution and high sensitivity
- Laser targeting, auto power off

Technical specifications

Imaging performance

Thermal field of view: 20°x15° (optional: wide, x2, x3, x5)

Spatial resolution: 2.20 mRad

Minimum imaging distance: 0.1m

Thermal sensitivity (NETD): $\leq 0.08^{\circ}\text{C}$ @ 30 °C

Detector data acquisition: 50Hz

Detector type: UFPA, 160X120, 8~14um, manual focus

Temperature measurement

Range: -20°C ~ 300°C (optional: max. 600°C / 1000°C / 1500°C)

Accuracy: $\pm 2^{\circ}\text{C}$ or $\pm 2\%$

Temperature mode: one moveable point, auto max /min tracking

Temperature alarm: High /Low

Correction: emissivity, distance, ambient temperature & humidity

Image presentation

Display: 160pX120p, 3.5" TFT with backlit (CCFL)

Video output: NTSC 60Hz / PAL 50Hz composite video

Palletes: 6 (iron-red /anti-iron-red /white hot /black hot /colorful /feather red)

Data storage: Mini SD card /2GB (max. 16GB), 14 bit data, .UIR format

MiniReport PC software for analysis

Power: rechargeable Lithium battery, 2.5 hours continuous work life

Dimensions & weight: 215x80x219mm, 600g approx.

Accessories: intelligent battery charger, tripod (optional)

