

Thermal Imagers

Thermal imagers transform the invisible infrared rays into visible thermal image. Thermal imagers are useful for observing object in the dark, through detecting object's infrared radiation. UNI-T's thermal imagers are great performance, user friendly, and affordable tools, suitable for firefighters, law enforcement, power line maintenance, physiology and a wide range of applications.





UTi80 Thermal Imager



Traditional infrared thermometers can only measure single temperature points. UTi80 thermal imager can detect temperature variations of an area of interest through a 2.4-inch LCD display. UTi80's dual laser can quickly lock in measurement area and display target temperature. The standard package also includes an 8GB Micro SD card for image and temperature data storage. UTi80's image blending feature is able to combine infrared and normal camera images together, allowing in-depth display for areas of interest.

Industrial applications: Thermal imaging, automotive, monitoring

Other applications: Firefighting, radiology, R&D, HVAC, lighting, motor, energy saving, construction, health care, and more



- Dual laser
- 20:1 D:S ratio
- Emissivity 0.1~0.99 adjustable
- High/Low temperature alarm
- 2-megapixel camera
- Li-ion battery (charge through micro USB)
- Auto power off

Product Ordering Description

UTi80:Thermal Imager



Temperature measurement Real-time clock Battery status display



Thermal image/visible light image display area

Temperature Cursor Palettes Playback Setting

Thermal Imagers



HVACR



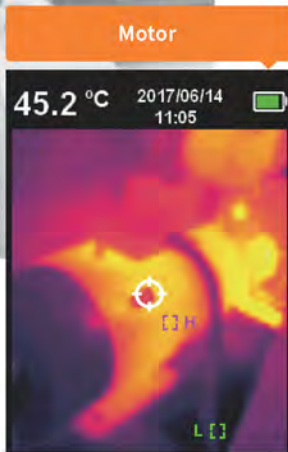
Construction



Power



Precision Instruments



Specifications	UTi80
Temperature range	-30°C~400°C
Basic accuracy	±2°C/±2%
Response time	150ms
Thermal imaging resolution	4800 pixels (80×60)
Pixel size	17μm
Image display	Thermal imaging, thermal blending, digital camera
Palettes	iron red, rainbow, grey
Blending setup	0% (thermal imaging only), 25%, 50%, 100% (visible light only)
Spectral response	8-14μm
FOV	50° horizontal
Ifov	11mrad
Thermal imaging sensitivity	150mk
Frame rate	≤9Hz
Image format	BMP
Visible light camera	2 megapixels
Monitor	2.4" TFT LCD
Display resolution	320×240 pixels