

Description

With advanced high resolution FPA detector and powerful integrated digital circuits as well as DSP image processing system, RS-T6 series handhold thermal imaging camera stably performs high quality image, accurate temperature results. It is developed for variety requirements of instant infrared troubleshooting in fields such as electric, electronic, firefighting and building detection.

Features

- 384×288 uncooled FPA detector
- High resolution
- Portable
- Rotatable LCD
- Optional lenses

Specification

Detector

- Detector type uncooled FPA microbolometer
- Array size/format 384×288

Image

- Field of view/min focus distance 16°×12°/0.5m
- Spatial resolutions(IFOV) 0.88mrad
- Thermal sensitivity 0.06°@30°
- Frame rate 50/60HZ
- Focus Manual
- Electronic zoom N/A (RS-T6-S) 2X (RS-T6-P)
- Spectral range 8~14μm
- LCD Built-in high-resolution color 2.8"LCD

Measurement

- Temperature ranges -20°C+500°, optional up to +1200°
- Accuracy ±2° or ±2% of reading, whichever is greater
- Measurement correction Automatic/Manual
- Measurement mode (RS-T6-S) Movable spots. Movable areas (maximum, minimum and average temperatures). Isothem. Alarm (voice,color)



Specification

Measurement

- Measurement mode (RS-T6-P) Up to 4 movable spots. Up to 3 movable areas (maximum, minimum and average temperatures).Line profile. Isothem. Temperature difference. Alarm (voice,color)
- Color palette 8 (RS-T6-S) 11 (RS-T6-SP)
- Image adjustment Auto/manual gain and brightness
- Setup functions Date/time, temperature unit, language
- Emissivity correction Variable from 00.1 to 1.0
- Ambient temperature correction Automatic correction according to user input
- Atmospheric transmission Automatic correction according to user input object distance, relative humidity, ambient temperature

Image Storage

- Storage Card (RS-T6-S) Built-in flash memory, Up to 2000 images (RS-T6-P) Built-in flash memory, CF card(1G),Up to 4000 images
- Storage mode Automatic/manual single image saving
- File format-thermal JPEG,14 bit thermal image with measurement data
- Voice annotation Input via built-in microphone Up to 40 seconds of digital voice per image stored with image

Power

- Laser pointer Class 2,1mw/635nm(red)
- Battery type Li-ion,rechargeable
- Battery operating time 3 hours continuous operation
- Charging system Intelligent charger or power supply adaptor (optional) online charge
- Power saving YES
- External power 10~15V DC

Environment

- Operating temperature -15C +50C
- Humidity ≤90% non-condensing
- Encapsulation IP54

Physical

- Weight 0.91Kg
- Dimensions 303mm×123mm×85mm

Interface

- External DC input Yes
- Audio output Yes
- Video output PAL/NTSC
- USB Image,measurement data and voice transfer to PC

