

# Thermal Imaging Camera

## General information about Handheld Thermal Imaging Camera Thermal Infrared Camera Thermal Camera AD-T2077

- ✓ Autofocus TI175 thermal imaging cameras are easy to operate. With high sensitivity IR detector (25 $\mu$ m pixel pitch, NETD<65mK) and up to 1200°C temperature range, they are affordable, and will be good helpers for professional thermographers .
- ✓ Lightweight (393g) and small size, TI175 built in flash and SD card, up to 6600 thermal images can be stored.
- ✓ The frequency is 50Hz(PAL)/60Hz(NTSC), 270°rotatable color LCD display, measuring points and areas are available, and microphone for voice recording.
- ✓ (up to 40sec/lmg )Multi-function IRSee software will help you analyse thermal & visible images, and make excellent reports easily.

### Applications:

- Building Diagnostics
- Electrical/Mechanical Inspection
- Automation Application
- Research & Development
- Preventative & Predictive Maintenance



## Key features:

- UFPA detector, 160x120 pixels
- Excellent thermal images and high accuracy: NETD<65Mk at 30°C,
- $\pm 2^\circ$  C accuracy
- Auto/Manual focus for one-hand operation
- 8x continuous digital zoom
- 270° rotatable LCD, Built-in 3.0 mega pixel visual camera
- Movable and resizable P-I-P and thermal fusion
- Wide temp range up to 1200°C
- 4 adjustable spot, 3 adjustable boxes with auto max./min./average
- Temperature
- Optional wide-angle lens & telephoto lens
- Built-in microphone and voice annotation
- Intuitive and easy operating menu
- Real time thermal video transfer to PC via USB, remote transfer via MSN and Skype
- Li-ion battery, more than 3 hours operation
- Multi-function IRSee analysis software

## Technical Specification OF the device:

### Detector Data:

- Detector Type: Uncooled Focal Plane Array microbolometer (UFPA)
- Resolution: 160 x 120 pixels
- Sensitivity / NETD: 65mK at 30 ° C
- Spectral Range: 8 ~ 14  $\mu$ m
- FOV: 21° x 16° (Standard)-Optional wide lens 42° x 32°-Optional telephoto lens 10° x 8°
- Frame Rate: 50HZ/60HZ (PAL / NTSC)

### Image Performance:

- Image Display: 3.2 " 270° rotatable LCD display
- Image Modes: Thermal image, visual images, PIP, thermal fusion,
- Visual Camera: 3.0 mega pixels
- Digital Zoom: 1-8x continuous
- Focus: Auto / Motor

**Measurement:**

- Temperature Range:-20 ° C to +250° C (Up to 1200 ° C)
- Accuracy:± 2 K or ± 2% (of reading)
- Measuring Spot & Area:4 adjustable spots;3 adjustable boxes with
- Max/Min/Average
- Alarm:Voice and color
- Dew point alarm:Yes

**Image storage**

- Storage Type:2G SD card, Built-in flash
- Storage Capacity:Up to 6,600 images
- Voice Annotation:Up to 40s voice record, stored with each image

**Environmental Data**

- Operating:-20°C to 50°C
- Storage Temperature:-40°C to 70°C
- Protection test:25G IEC68-2-29; 2G IEC68-2-6, CE Mark

**More details:**

- Battery:Rechargeable Li-ion batteries; ≥ 3 hours operating time
- Laser Grade/Type:Class II 1mW/635nm red
- Size:128x62x154mm
- Weight:393 gram
- Connections:Video & audio connection, real-time thermal image transfer to the PC via USB

