

# ***THERMAL IMAGING CAMERA***

**Model : TIC-200**

*Powerful multi-purpose camera with all professional functions,  
Ergonomically designed with the side open 360 degree rolling LCD*

- ✓ Outstanding image quality
- ✓ Ergonomic lightweight and portable
- ✓ Laser pointer
- ✓ Ergonomically designed with the side open 360 degree rolling LCD
- ✓ Universal JPEG image storage
- ✓ Intelligent multi-function shortcut keys



## **FEATURES :**

### **Ergonomic figure designing**

The unique figure structure with "D" is ergonomic balance and comfort. Hold the TIC-200 in your hand, rolling the LCD in any angle, the operator always has a good position to target the object in any direction.

### **Precise temperature measurement and extraordinary image quality**

The TIC-200 indicates the accurate temperature measurement with the thermal sensitivity of 0.10°C. 2.8°C high resolution colored LCD display excellent quality, extremely clear noise-free images.

### **Easy operation**

The self-defined multi-function shortcut key helps the users operate the camera more flexible. And user-friendly joystick provides simple menu option and comfortable button on the camera offers the easy one-handed operation.

### **Flexible JPEG image storage**

The camera offers built-in flash and optional SD card flexible to store high quantity of JPEG images. The storage capability is up to 10000 with 1G SD card.

**SPECIFICATION TIC-200 :**

ITEMS		Technical Specification
Detector characteristics	Detector type	Uncooled FRA microbolometer
	Array size/format	160 × 120
Image characteristics	Field of view/min focus distance	18°×13°/0.3m
	Spatial resolution (IFOV)	1.9mrad
	Thermal Sensitivity	0.1°C@30°C
	Frame rate	50/60Hz
	Focus	Manual
	Electronic Zoom	2X
	Spectral range	8-14μm
Image display	LCD	Built-in high-resolution color 2.8" LCD
Measurement	Temperature ranges	-20°C ~ +500°C extendable to +1000°C
	Accuracy	±2°C or ±2% of reading, Whichever is greater
	Measurement correction	Automatic/manual
	Movable spots	4
	Movable areas	3
	Area Max/Min temperature	√
	Area average temperature	√
	Line profile	√
	Isotherms	√
	Temperature difference	√
	Alarm (voice, color)	√
	Color palette	11 palettes changeable
	Image adjustment	Auto/manual gain and brightness
	Setup functions	Date/time, temperature unit, language
	Emissivity correction	Variable from 0.1 to 1.0
	Ambient temperature correction	Automatic corrections according to user input object distance. Relative humidity, ambient temperature
	Atmospheric transmission correction	Automatic correction according to user input object distance. Relative humidity, ambient temperature
Image storage	Storage card	Built-in flash memory 1 G SD card more than 10000 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
Laser pointer	Laser pointer	Class 2, 1mw/645nm (red)
Power supply	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	-15°C ~ +50°C
	Humidity	≤90% non-condensing
	Encapsulation	IP54
Physical characteristics	Weight	0.6KG
	Dimensions	197mm×178mm×73mm
Interface	External DC input	YES
	Audio output	YES
	Video output	PAL/NTSC
	USB	Image, measurement data and voice transfer to PC