



## ICI IR 640



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# ICI IR 640

The new ICI IR 640 is an uncooled thermal imaging camera system, which features ultra-high resolution in 640x480 pixels & has a built-in microphone which stores up to 60 seconds of digital voice annotation per image. This is the perfect entry level infrared camera of the high-end HD infrared systems, especially for the price. The CF card (8G) will hold all of your valuable JPEG thermal images & data. The IR 640 features a 5", 800x480 LCD Screen with remote, illuminator, and so much more.

## Features

- Unparalleled Image Quality
- 5" 800x480 LCD Screen
- Built-in Microphone
- Rugged Enclosure
- 60 seconds of Voice Annotation
- Small Size
- Light Weight
- Low Power

## Specifications

- **Detector Array:**  
Uncooled FPA Microbolometer
- **Pixel Pitch:** 17µm
- **Pixel Resolution:** 640x480
- **LCD Screen:** 5", 800x480
- **Spectral Band:** 8µm-14µm
- **NETD:** <0.03°C at 30°C
- **Frame Rate:** 50/60Hz P Series  
or 9Hz S Series
- **Dynamic Range:** 14-bit
- **Temp Range:** -40°C to 650°C  
Optional 1200°C or 2000°C
- **Oper. Range:** -15°C to 50°C
- **Accuracy:** +/- 2°C
- **Pixel Operability:** >99%
- 75G Shock / 4G Vibration
- **Dimensions:** without lens  
180mmx150mmx245mm  
(HxWxD +/- .5mm)
- **Weight:** 1.7 Kg - without lens
- **Battery:** Li-Ion, Rechargeable  
3/hours operation
- Intelligent Charger
- **Image Output:** JPEG
- **Power & Data:** USB 2.0
- **External Power:** 10-15V DC
- **Memory:** CF card (8G)
- Built in Shutter & Microphone

## Applications

- Insulation Inspection
- Scientific Research
- Predictive Maintenance
- Reliability Engineering
- Medical Imaging
- Roof Inspections
- Search & Rescue
- Fire Control
- Chemical Plant Fires
- Natural Resource Fires
- HVAC
- Security
- Electrical

## Options & Accessories

- Shoulder Strap & Hand Strap
- 12V adapter (optional)
- 2x Telephoto Optic
- 2x Wide Angle Optic

