

# ICI | IR 640



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We are IR™

# ICI | IR 640 Series

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 (8 G) 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. Includes ICI Reporting Software.

## 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:** UFPA Microbolometer
- **Pixel Pitch:** 17  $\mu$ m
- **Pixel Resolution:** 640x480
- **LCD Screen:** 5", 800x480
- **Spectral Band:** 8  $\mu$ m to 14  $\mu$ m
- **Thermal Sensitivity (NETD):** < 0.03 °C at 30 °C (30 mK)
- **Frame Rate:** 50 Hz to 60 Hz P-Series or 9 Hz S-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:**  
Standard: -40 °C to 650 °C  
Optional: 1200 °C or 2000 °C
- **Operation Range:** -15°C to 50°C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:**  $\pm$  2 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions:** without lens  
180 x 150 x 245mm (HxWxD  $\pm$  .5 mm)
- **Weight (without lens):** 1.7 Kg
- **Battery:** Li-Ion, Rechargeable
- **Operation Time:**  $\leq$  3 Hours
- Intelligent Charger
- **Image Output:** JPEG
- **Power & Data:** USB 2.0
- **External Power:** 10 V to 15 V DC
- **Memory:** CF card (8 G)
- 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

