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

**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

**Specifications**
- **Detector Array**: UFPA Microbolometer
- **Pixel Pitch**: 17 µm
- **Pixel Resolution**: 640x480
- **LCD Screen**: 5”, 800x480
- **Spectral Band**: 8 µm to 14 µm
- **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**: ± 2 °C
- **Pixel Operability**: > 99 %
- **75 G Shock / 4 G Vibration**
- **Dimensions**: without lens
  180 x 150 x 245mm (HxWxD ± .5 mm)
- **Weight (without lens)**: 1.7 Kg
- **Battery**: Li-Ion, Rechargeable
- **Operation Time**: ≤ 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**