ICI | HT-640 (High Temperature)
The ICI HT-640 is a 640x512 high temperature infrared camera capable of imaging all metals including molten and solid steel. Monitor welds, light bulb filaments, and molten glass. Our ICI HT-640 is also useful for imaging the sun, scientific research, laser imaging, ceramics, or any application where precision high temperature measurements up to 2000 °C are required.

### Features

- Provides Measurement Corrections for Emissivity, Ambient Temperature, Distance, and Relative Humidity.
- Adaptable Units, Language, and Date & Time
- Connects to USB devices such as a USB Keyboard and more.
- 8 Color palettes

### Specifications

- **Pixel Resolution**: 640x512
- **FOV**: 22° x 17.6°
- **Spatial Resolution (IFOV)**: 0.6 mrad
- **Spectral Band**: 0.35 μm to 1 μm
- **Thermal Sensitivity (NETD)**: < 0.01 °C at 30 °C (10 mK)
- **Frame Rate**: 30 Hz
- **Temperature Range**: 600 °C to 2000 °C
- **Operation Range**: -20 °C to 50 °C
- **Storage Range**: -40 °C to 70 °C
- **Focus**: Fixed
- **Focal Length**: 25 mm
- **Encapsulation**: IP65
- **Spot Meter**: Center Spot
- **Hot / Cold Detection**: Automatic Hot or Cold Spot Meter Markers
- **Interface**: USB 2.0 / HDMI Output / RJ45 Network
- **Display**: HDMI
- **Video Output**: HDMI
- **Accuracy**: ± 2 °C or 2 % of Reading
- **Pixel Operability**: > 99 %
- **25 G Shock / 2 G Vibration**
- **Drop Test**: 2 m
- **Dimensions (without lens)**:
  - 76 x 101 x 152mm (H x W x D ± .5 mm)
- **Weight**: < 500 g
- **Humidity**: non-condensing b/t 10 % to 90 %
- **Image Modes**: IR image
- **Language**: Multinational
- **Color Palettes**: Iron, Rainbow, Sepia, Grey, Grey Inverted, Blue_Red, Hot_Cold, Humidity
- **Ethernet**: Coming Soon (Optional)

### Applications

- Image Molten & Solid Metals, including Steel
- Welding
- Scientific Research
- Imaging of the Sun
- Light Bulb Filaments
- Molten Glass
- Laser Imaging
- Ceramics
- High Temperature Applications

### Lens Options & Accessories

- **8 mm Fixed Focus Lens**
  - (68.8° x 55° FOV, 1.875 IFOV)
- **12 mm Fixed Focus Lens**
  - (45.8° x 36.7° FOV, 1.25 IFOV)
- **50 mm Fixed Focus Lens**
  - (11° x 8.8° FOV, 0.3 IFOV)
- **75 mm Fixed Focus Lens**
  - (7.3° x 5.9° FOV, .02 IFOV)