

# ICI Centurion

## Thermal Infrared Imager

The ICI Centurion camera is a small, extremely sensitive camera and the newest addition to the line of innovative camera systems available from Infrared Cameras Inc. The Centurion measures temperature and is the lowest cost radiometric 320 x 240 infrared imager available on the market!

The new ICI Centurion is the perfect infrared camera system for many applications including surveillance, security & firefighting. This uncooled microbolometer based system provides a crisp 320X240 resolution image with excellent thermal sensitivity (65mk) for optimum clarity.

The Centurion also has optional lenses available for long range surveillance. Color video output is also available.



### Specifications

Detector Type: Uncooled Microbolometer  
Frame Rate: 30Hz  
Wavelength: 8 -14  $\mu$ m  
NETD: <65mK (RangeF/1,60Hz)  
Video Output: NTSC/PAL  
Weight: 1 lb  
Dynamic Range: L range: 150°C (Typ.F/1)  
H range: 540°C (Typ.F/1)  
Digital Output: ITU-R.BT656 video data or RAW data  
Serial Interface: RS-232C  
Input Voltage: 5 to 15 VDC  
Power Consumption: <5W (25°C)  
Functions: Contrast: Auto or Manual  
Brightness: Auto or Manual  
Polarity: White-hot or  
Digital zoom: x2 or x4  
FPN Auto or Manual  
Dynamic Range Select (UH/Auto)  
Video Format Select  
Configuration Save  
Control: RS-232C  
Included Lens: 8mm lens included in price  
Optional Lens: 8m 50 X37.5 FOV  
14mm 30 X 22.8 FOV  
25m 17.1 X 12.9 FOV  
50mm 8.6 X 6.5 FOV  
100 mm 4.2 FOV

### Benefits

- 320X240 microbolometer provides high quality image resolution.
- (.065) thermal sensitivity for the best image resolution available.
- Temperature measurement up to 500C making this camera perfect for firefighting applications.
- Small footprint for mounting the unit in areas with limited space.
- 30Hz frame rate for real time thermal imaging and temperature measurement.
- Plug and play capability provides ease of use.
- Perfect for surveillance applications requiring a system with a fixed or pivoting mount.
- Rugged construction for durability.
- Can be mounted on any outdoor vehicle.
- Lightweight

The Centurion utilizes video output, is compatible with standard video monitors, and can be installed in an environmentally sealed enclosure. The enclosure can then be mounted on a pan & tilt unit providing a 360 degree viewing area.

### Features:

- 320X240 uncooled Microbolometer
- Single point temperature measurement up to 500°C/932°F
- Video output in black & white or color palettes
- Inverted palette capability
- Automatic and manual Level and Span control (Brightness and Contrast)
- 2X and 4X digital zoom function

### Optional:

- NEMA 4 to NEMA 9 Environmentally sealed enclosures
- Pan and Tilt units available to maximize viewing area
- IR Flash Professional Thermal Imaging Analysis Software

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[www.InfraredCamerasInc.com](http://www.InfraredCamerasInc.com)  
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Applications include: Search and rescue, security, law enforcement, night time patrols, navigation, marine/ boating, surveillance, firefighting, border patrol, & aircraft vision.



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