

# ICI 320X IR Core

## Infrared Detector Module

The ICI 320X Infrared Camera Core consists of an Uncooled IR detector to detect LWIR(Long Wave Infrared) and a Circuit Board for Imaging Processing etc., which can be used as the core for IR cameras. It provides high quality infrared images by detecting infrared radiation of 8-14 $\mu$ m from objects and its ambience.



### Specifications

Detector Type: Uncooled Microbolometer  
Frame Rate: 30Hz  
Wavelength: 7-14  $\mu$ m  
NETD: <65mK (Lrange F/1,60Hz)  
Video Output: NTSC/PAL  
Weight: 150 g  
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

### 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
- Lightweight



### 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:

- Environmental Enclosures
- Lenses
- IR Flash Professional Thermal Imaging Analysis Software

Please call for more information

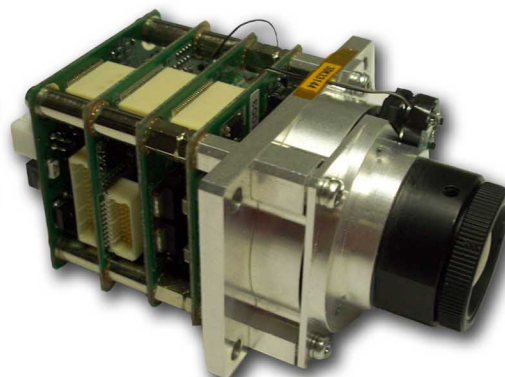
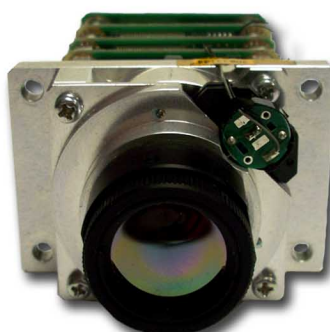
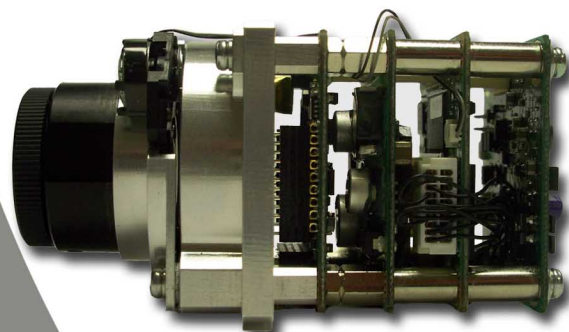
1-866-861-0788 or visit our web site at

[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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