

# ICI | S-Series IR Camera



*ICI has U.S. FDA 510K Clearance on their ICI P and S Series cameras and IR Flash Software version 1.0. K073581*

**Winner of NASA Tech Briefs Product of the Month: February 2009**

[www.infraredcamerasinc.com](http://www.infraredcamerasinc.com) | [sales@infraredcamerasinc.com](mailto:sales@infraredcamerasinc.com)

INFRARED CAMERAS INC.  
2105 W. Cardinal Dr.  
Beaumont, TX 77705

Phone: (409) 861-0788  
Toll Free: (866) 861-0788

**We are IR™**

# ICI | S-Series IR Camera

The ICI S-Series IR Camera offers unmatched image sensitivity and accuracy in a 320x240 radiometric imager. With overall dimensions roughly the size of a business card the camera fits in the tightest of areas. The S Series IR Camera operates on 1 W of power via USB connection. IR Flash version 1.0 Software provides real time radiometric data stream directly to hard drive or portable device. This infrared thermal imaging camera can be mounted in a number of available ICI enclosures for any environment. **Winner of NASA Tech Briefs Product of the Month: February 2009.**



## Features

- UAV/UAS Connectivity
- Unmatched Image Sensitivity
- Exceptionally Accurate
- Real Time Data Streaming
- Mountable in ICI Enclosures
- Small Size
- Light Weight
- Low Power (1 W)
- IR Flash Version 1.0 Software

## Specifications

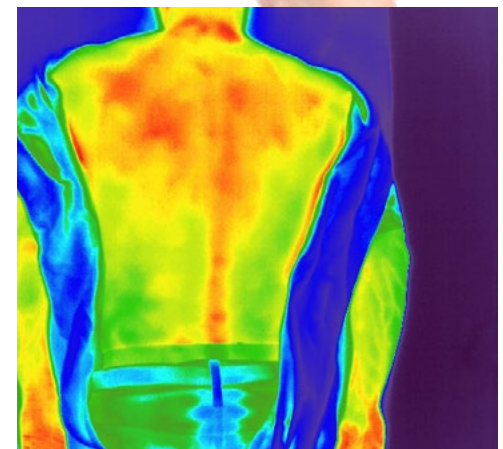
- **Detector Array:** FPA (VOx)
- **Pixel Pitch:** 17  $\mu\text{m}$
- **Pixel Resolution:** 320x240
- **Spectral Band:** 7  $\mu\text{m}$  to 14  $\mu\text{m}$
- **Thermal Sensitivity (NETD):**  
< 0.027 °C at 30 °C (27 mK)
- **Frame Rate:** 9 Hz P-Series
- **Temperature Range:** -20 °C to 100 °C
- **Operation Range:** -20 °C to 50 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:**  $\pm 1$  °C
- **Pixel Operability:** > 99 %
- 30 G Shock / 3 G Vibration
- **Dimensions (without lens):**  
53 x 81 x 13 mm (H x W x D  $\pm .5$  mm)
- **Power:** < 1 W
- **Weight (with lens):** 148 g
- USB 2.0 Connection
- Aluminum Enclosure

## Applications

- Healthcare Robotics
- Radiometric Imaging
- Scientific Research
- Breast Imaging
- Temperature Measurement
- Hospital Healthcare Procedures
- Sub-acute Healthcare Settings
- Airport Screening

## Options & Accessories

- 5 mm (87° FOV)
- 10 mm (46° FOV)
- 18 mm (25° FOV)
- 25 mm (18° FOV)
- 50 mm (11° FOV)
- 75 mm (7.3° FOV)
- 100 mm (5.5° FOV)
- 150 mm (3.7° FOV)
- Sensor Control Module Integration



These systems are intended to be used adjunctively and not as a standalone device.