ICI | S-Series IR Camera

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

ICI has U.S. FDA 510K Clearance on their ICI P and S Series cameras and IR Flash Software version 1.0. K073581
The ICI S-Series IR Camera offers unmatched image sensitivity and accuracy in a 320×240 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

### 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

### Specifications
- **Detector Array:** FPA (VOx)
- **Pixel Pitch:** 17 µm
- **Pixel Resolution:** 320x240
- **Spectral Band:** 7 µm to 14 µm
- **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:** ± 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 ± .5 mm)
- **Power:** < 1 W
- **Weight (with lens):** 148 g
- **USB 2.0 Connection**
- **Aluminum Enclosure**

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