

ICI | 7320 S-Series



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

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We are IR™

ICI | 7320 S-Series

The ICI 7320 S-Series Infrared Camera offers unmatched image sensitivity and accuracy in a 320x240 radiometric imager. With overall dimensions roughly the size of a business card the 7320 fits in the tightest of areas. The ICI 7320 operates on 1 W of power via USB connection. IR Flash 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)
- Includes IR Flash software

Applications

- Insulation Inspection
- Predictive Maintenance
- Reliability Engineering
- Medical Imaging
- Veterinary Imaging
- Roof Inspections
- Scientific Research
- HVAC
- Security
- Electrical



Specifications

- **Detector Array:** FPA (VOx)
- **Pixel Pitch:** 17 μ m
- **Pixel Resolution:** 320x240
- **Spectral Band:** 7 μ m to 14 μ 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

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

