

# ICI | 7320 P-Series



**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 | 7320 P-Series

The ICI 7320 P-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  $\mu\text{m}$
- **Pixel Resolution:** 320x240
- **Spectral Band:** 7  $\mu\text{m}$  to 14  $\mu\text{m}$
- **Thermal Sensitivity (NETD):**  
< 0.027  $^{\circ}\text{C}$  at 30  $^{\circ}\text{C}$  (27 mK)
- **Frame Rate:** 50 Hz to 60 Hz P-Series
- **Temperature Range:** -20  $^{\circ}\text{C}$  to 100  $^{\circ}\text{C}$
- **Operation Range:** -20  $^{\circ}\text{C}$  to 50  $^{\circ}\text{C}$
- **Storage Range:** -40  $^{\circ}\text{C}$  to 70  $^{\circ}\text{C}$
- **Accuracy:**  $\pm 1^{\circ}\text{C}$
- **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 $^{\circ}$  FOV)
- 10 mm (46 $^{\circ}$  FOV)
- 18 mm (25 $^{\circ}$  FOV)
- 25 mm (18 $^{\circ}$  FOV)
- 50 mm (11 $^{\circ}$  FOV)
- 75 mm (7.3 $^{\circ}$  FOV)
- 100 mm (5.5 $^{\circ}$  FOV)
- 150 mm (3.7 $^{\circ}$  FOV)
- Sensor Control Module Integration

