

ICI | P-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

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We are IR™

ICI | P-Series IR Camera

The ICI P-Series IR Camera is a 30Hz fixed mounted infrared camera with unmatched sensitivity and accuracy in a 640x512 radiometric imager. Operating on 10 Watts of power via a POE (Power over Ethernet) connection, the P-Series IR Camera provides real time radiometric data streamed directly to any desktop, laptop, tablet or embedded system. To be used adjunctively with another medical device. Includes IR Flash version 1.0 Software. Windows and Linux software, drivers and SDK are available for custom applications.



Features

- Unmatched image sensitivity
- Multi-Device Linking
- Radiometric Data Streaming
- Integrates into Embedded Systems
- Windows and Linux Software
- Small Size
- Light Weight
- Low Power
- Drivers and SDK Available

Applications

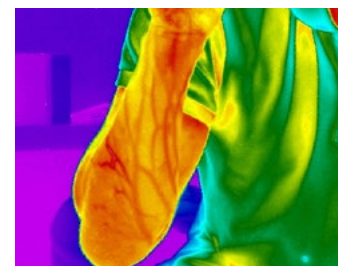
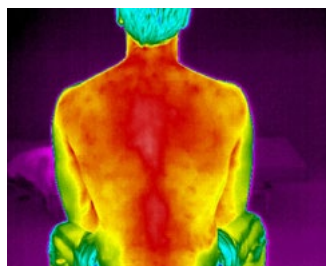
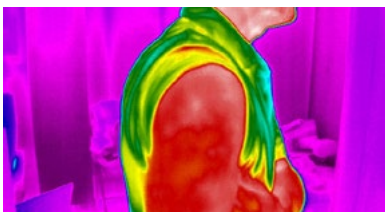
- Healthcare Robotics
- Radiometric Imaging
- Scientific Research
- Breast Imaging
- Temperature Measurement
- Hospital Healthcare Procedures
- Sub-acute Healthcare Settings
- Airport Screening

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17µm
- **Pixel Resolution:** 640x512
- **Spectral Band:** 7µm-14µm
- **NETD Sensitivity:** <0.02°C at 30°C
- **Frame Rate:** 30Hz P-Series
- **Dynamic Range:** 14-bit
- **Temp Range:** -20°C to 120°C
Optional 0°C to 500°C
- **Operation Range:** -40°C to 80°C
- **Accuracy:** +/- 1°C
- **Pixel Operability:** >99%
- 75G Shock / 4G Vibration
- **Dimensions:**
45mmx39mmx38mm - w/o lens
(HxWxD +/- .5mm)
- **Weight:** 74.5 Grams - without lens
- **Power:** POE (Power over Ethernet)
- Built in Shutter
- Aluminum Enclosure

Options & Accessories

- 8mm Manual Focus Lens (80x60 FOV, +50 grams)
- 9mm Athermalized Focus Lens (70x52 FOV, +40 grams)
- 12.5mm Manual Focus Lens (50x37.5 FOV, +64 grams)
- 16.7mm Athermalized Focus Lens (37.5x28 FOV, +25 grams)
- 25mm Athermalized Focus Lens (24.8x18.6 FOV, +50 grams)
- 30mm Manual Focus Lens (20x15 FOV, +100 grams)
- 35mm Athermalized Focus Lens (17.6x13.2 FOV, +100 grams)
- 50mm Manual Focus Lens (12.4x9.3 FOV, +170 grams)
- 100mm Manual Focus Lens (6.2x4.7 FOV, 565 grams)



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