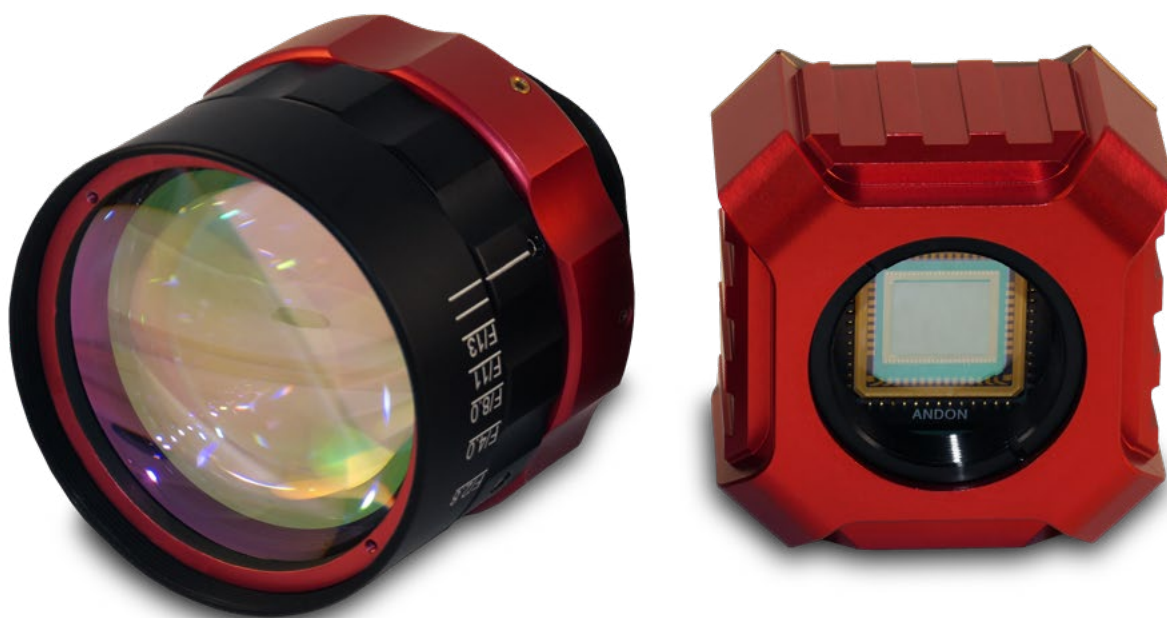


ICI | SWIR 320 P-Series



Lens options on Request

Patent No. 9880552

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INFRARED CAMERAS INC.
2105 W. Cardinal Dr.
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Toll Free: (866) 861-0788

We are IR™

ICI | SWIR 320 P-Series

The ICI SWIR 320 P-Series Infrared Camera offers unmatched image sensitivity and accuracy in a 320x256 radiometric imager. With less than 3 in³ in overall dimension the SWIR fits in the tightest of areas. The ICI SWIR uses USB 2.0 for power & data power, providing real time radiometric data streamed directly to any desktop, laptop, tablet or embedded system. Windows and Linux software, drivers and SDK are available for any and all custom applications.



Lens options upon request

Features

- Unparalleled NIR Sensitivity
- USB 2.0 for Power & Data
- Native Wide Dynamic Range
- Aluminum Enclosure
- Small Size
- Light Weight
- Low Power < 1 W

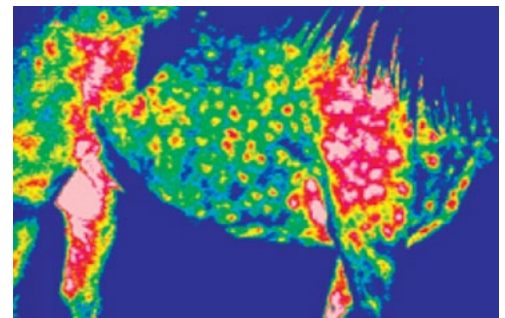
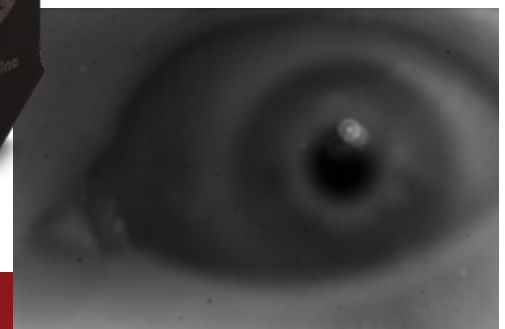
Specifications

- **Detector Array:** FPA (InGaAs)
- **Pixel Pitch:** 25 μ m
- **Pixel Resolution:** 320x256
- **Spectral Band:** .9 μ m to 1.7 μ m
- **Frame Rate:** 60 Hz
- **Dynamic Range:** 14-bit
> 140 dB dynamic range
- **Noise Equivalent Irradiance:**
8.52x10⁹ photons / cm²-s
- **Operation Range:** -40 °C to 90 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** \pm 1 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions:** without lens
46 x 46 x 29.5 mm (HxWxD \pm .5 mm)
- **Weight (without lens):** < 130 g
- USB 2.0 Connection
- Aluminum Enclosure



Applications

- UAV Integration
- Robotics
- Industrial NIR Imaging
- Laser Instrumentation
- Aerial Imaging
- Firefighting
- Scientific Research
- IR reflectography



Lens & Software Options

- Lens options upon request
- C Lens mount
- IR Flash Research Software
- Windows 32-bit SDK
- Linux SDK (x86, x64 and ARM)
- 1/4-20 Bulkhead Mount
- Sensor Control Module

