Lens options on Request

Patent No. 9880552
The ICI SWIR infrared camera employs a 640x512 Indium Gallium Arsenide focal plane array, allowing the camera to be highly sensitive to energy in the near-infrared (NIR) and shortwave infrared (SWIR) wavebands from 0.9 µm to 1.7 µm, well beyond the range of silicon CCD Cameras. The ICI SWIR operates on less than 1 W of power, via a USB 2.0 connection, providing real-time 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.

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

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

**Specifications**
- **Detector Array:** FPA (InGaAs)
- **Pixel Pitch:** 15 µm
- **Pixel Resolution:** 640x512
- **Spectral Band:** .9 µm to 1.7 µm
- **Frame Rate:** 60 Hz
- **Dynamic Range:** 14-bit
- **Noise Equivalent Irradiance:** 8.52x10^9 photons / cm^2-s
- **Operation Range:** -40 °C to 90 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** ± 1 °C
- **Pixel Operability:** > 99 %
- **75 G Shock / 4 G Vibration**
- **Dimensions:** without lens
  46 x 46 x 29.5 mm (HxWxD ± .5 mm)
- **Weight (without lens):** < 130 g
- **USB 2.0 Connection**
- **Aluminum Enclosure**

**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