Mirage Research & Development

Featuring the latest technological advancements, the Mirage Research & Development camera is capable of delivering the optimum solution for a wide variety of infrared applications. Our Mirage Research & Development camera is capable of collecting Radiometric Temperature Data, and produces superb thermal images using its 640x512 InSb array. The Mirage Research & Development’s Easy-to-Use interface allows for intuitive operation, and has low power consumption, less than 8 W. Weighing in at less than 765 g, it is compact and portable, enabling users to quickly pinpoint temperatures of -55 °C to 120 °C to give superb vision. Includes ICI’s IR Flash Pro Software, and integrates with ICI’s UAV Sensor Control Module.

Features

- Unmatched Image Resolution
- Collect Radiometric Temperature Data
- Integrates with Sensor Control Module
- Low Power (< 8 W)
- Compact / Portable
- Light Weight

Specifications

- **Detector Array**: Cooled MWIR InSb
- **Pixel Pitch**: 15 µm
- **Pixel Resolution**: 640x512
- **Spectral Band**: 1.5 µm to 5.1 µm
- **Thermal Sensitivity (NETD)**: < 0.012 °C at 30 °C (12 mK)
- **Frame Rate**: 30 Hz P-Series or 9 Hz S-Series
- **Dynamic Range**: 14-bit
- **Temperature Range**: -55 °C to 350 °C
- **Operation Range**: -40 °C to 80 °C
- **Storage Range**: -40 °C to 70 °C
- **Accuracy**: ± 1°C
- **Pixel Operability**: >99%
- **20G Shock / 5.8G Vibration**
- **Dimensions (without lens)**: 111 x 96 x 131 mm (H x W x D ± .5 mm)
- **Power**: 12V (Cooling Engine)
- **Weight**: < 765 g - without lens
- **Video**: NTSC or PAL analog video
- **Humidity**: non-condensing between 5 % to 95 %
- **20 G Shock / 5.8 G Vibration**
- **USB 2.0 for Electronics Power & Data**
- **Shutterless**
- **Aluminum Enclosure**

Applications

- Scientific Research
- Medical Imaging
- Printed Circuit Boards
- Micro Electronics
- Laser Imaging
- DWDM
- Radiometric Imaging
- Process Control
- Robotics
- Industrial Monitoring
- Aerial Imaging
- Building Automation
- Security Monitoring
- Electrical Inspection

Software Options

- IR Flash Pro Software
- Windows 32-bit SDK
- Linux SDK (x86, x64 and ARM)

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