



ICI Mirage 640 Series



INFRARED CAMERAS INC.
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We are IR™

ICI Mirage 640 Series

The Mirage 640 Series provides outstanding electronics with the most sensitive detector available anywhere. The 640x512 Indium Antimonide detector provides the very best in quantum efficiency when compared with any other detector material. Our heavy duty long life Stirling cooler was initially designed for space applications. Its design life is double that of most coolers or cameras in the same class. Combined with our IR Flash real time analysis software and you have a very powerful tool.

Features

- Unparalleled Image Quality
- USB Output
- Light Weight
- Low Power
- Includes IR Flash Software

Specifications

- **Detector Array:** Cooled Indium Antimonide
- **Pixel Pitch:** 15 μ m
- **Pixel Resolution:** 640x512
- **Spectral Band:**
 - Midwave: 3 μ m–5 μ m or 1.5 μ m–5 μ m
 - Longwave: 8 μ m–12 μ m
- **NETD Sensitivity:** <.012°C at 30°C (12mK)
- **Frame Rate:** 30Hz P-Series & 9Hz S-Series
- **Dynamic Range:** 14 bit
- **Temp Range:** -55°C to 350°C
- **Operation Range:** -40°C to 80°C
- **Accuracy:** +/- 1°C
- **Pixel Operability:** >99%
- **Dimensions:**
 - 111mmx96mmx131mm - w/o lens
 - (LxWxH +/- .5mm)
- **Weight:** <765 Grams - without lens
- **Power:** 12V (Cooling Engine)
- USB 2.0 for Electronics Power & Data
- Aluminum Enclosure

Lens & Software Options

- 7mm Manual Lens w/ 57° FOV (optional)
- 13mm Manual Lens w/ 42° FOV (optional)
- 25mm Manual Lens w/ 26° FOV (optional)
- 50mm Manual Lens w/ 13° FOV (optional)
- 100mm Manual Lens
 - w/ 6° FOV at F2.3 (optional)
- Ethernet (optional)



Applications

- Scientific Research
- Medical Imaging
- Printed Circuit Boards
- Micro Electronics
- Laser Imaging
- DWDM
- Security

