



ICI Mirage 320 Series



INFRARED CAMERAS INC.
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We are IR™

ICI Mirage 320 Series

The Mirage 320 Series thermal imaging cameras are perfect for scientific laboratory applications, medical imaging or outdoor security. The 320x256 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

- USB for Power and Data
- Li-Ion, rechargeable battery
- Light Weight
- Low Power
- Includes IR Flash Software

Specifications

- **Detector Array:** Cooled Indium Antimonide
- **Pixel Pitch:** 15µm
- **Pixel Resolution:** 320x256
- **Spectral Band:** 30µm
- **NETD Sensitivity:** <.012°C at 30°C (12mK)
- **Frame Rate:**
 - 33Hz, 41Hz, 50Hz, 54Hz, 82Hz 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
- **Battery:** Li-ion, rechargeable for Power
- USB 2.0 for Power & Data
- Aluminum Enclosure
- Ethernet, NTSC for output

Applications

- Insulation Inspections
- Scientific Research
- Predictive Maintenance
- Reliability Engineering
- Roof Inspections
- HVAC
- Security
- Electrical



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)

