



The Phoenix Uncooled MWIR Thermal Imaging Core is the only microbolometer with the ability to image the 3-5  $\mu\text{m}$  spectrum, and can run at frame rates as high as 900 Hz.

**Typical Applications:**

- Furnace and Boiler Inspection
- Laser Absorption Spectrometry
- Machine Vision
- Laser Beam Profiling
- Fast Event detection
- Combustion Process Monitoring
- Welding Process Inspections



MWIR image using Phoenix Core (3-5 $\mu\text{m}$ )  
The filament and Soldering Iron are visible

When additional sensitivity is needed in MWIR

**Specifications:**

Uncooled a-Si Microbolometer 640 x 480 17 $\mu\text{m}$

Sensitivity: 3-5  $\mu\text{m}$

Size: 1.5" x 1.5" x 1.5"

Weight: 52 g

Power: < 1.4 Watt with Std Interface Card

Power Input: 1.8 – 4.0 VDC or 6 – 18 VDC

Two channels simultaneous video

NTSC Analog Video + CameraLink Base Digital

30 Hz frame rate std, Other frame rates avail.

User GUI, LVTTTL and USB serial control

f/1.0 15.7 mm FL 40° HFOV Broadband Lens option

Turn on time: < 4 sec

*\*Note: Visimid offers customized interfaces and may calibrate using your specific optics.*



