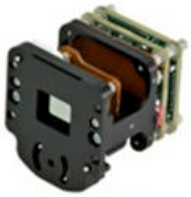
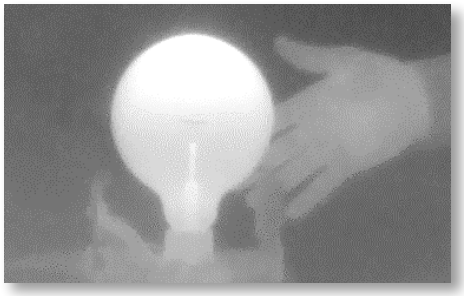


The Phoenix Uncooled Broadband Thermal Imaging Core is the only microbolometer with the ability to image the spectrum from SWIR to LWIR, and can run at frame rates as high as 900 Hz.

Typical Applications:

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



Broadband image using Phoenix core (2-14µm)
Scene dominated by LWIR energy

Specifications:

Uncooled a-Si Microbolometer 640 x 480 17µm

Sensitivity: 2-14 µm

Size: 1.5” x 1.5” x 1.5”

Weight: 52 g

Power: < 1.1 Watt

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.

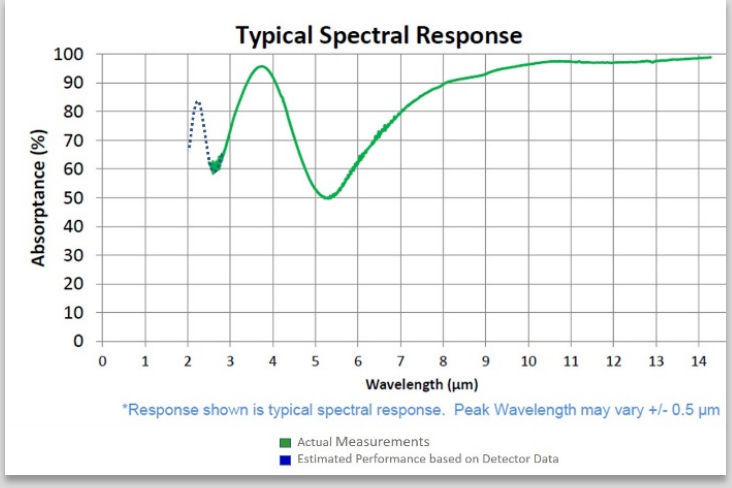
User GUI, LVTTL and USB serial control

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.*

MWIR image using Phoenix Core (3-5µm)
The filament and Soldering Iron are visible



Visimid Technologies 801 K Avenue Suite 18 Plano, Texas 469-906-2660 www.visimid.com