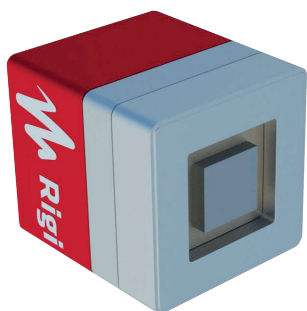




RIGI- M2 Camera



Uncooled real-time THz imager

- Beam profiling
- Non-destructive testing
- Imaging systems
- Quality control
- Security and surveillance
- Optical alignment

Image using QCL THz source

- **Frequency:** 4.6 THz
- **Power:** 0.6 μ W
- **Integration time:** 50 μ s
- **Acquisition:** Single shot

Compatible with most terahertz sources

1. Broadband terahertz sources

- Broadband plasma based source
- Organic crystal high power spectrometer
- Lithium Niobate crystal high power spectrometer
- ZnTe crystal based linear spectrometer
- Photoconductive switch oscillator based source
- Commercial time domain spectrometer

| Item | General Specifications |
|-----------------------|--|
| Detector | Uncooled FPA THz micro-bolometer array |
| Pitch | 17 μ m |
| Array size | 640 x 480 pixels |
| Active area | 10.9 x 8.2 mm |
| Operating frequency | 0.1 - 20 THz |
| Pixel NEP | < 1.5 pW/ \sqrt Hz at 4.6 THz |
| Operating temperature | -40 $^{\circ}$ C to 65 $^{\circ}$ C |
| Software | Included and adaptable upon request |

2. Narrowband terahertz sources

- QCL based source
- Solid state sources
- Crystal based DFG source
- CO2-based DFG source

Aunion Tech Co.,Ltd

Add: Floor 3, F Building, No. 86 Caobao road, Shanghai 200235 P.R. China

Tel: +86-21-51083793

Fax: +86-21-34241962

上海奥盛光电设备有限公司 P.O. Box 1000000 E-Mail: info@auniontech.com Website: www.auniontech.com