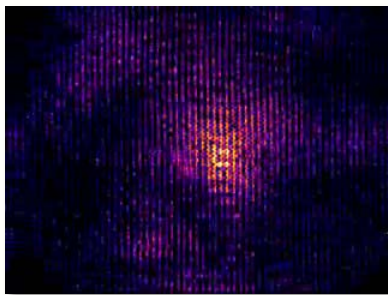


THz Camera Module

Uncooled, Low Cost, Handheld Solution for Terahertz Imaging



Real-time video capture of a 2.24 THz quantum cascade laser beam profile

Agiltron's THz Camera Module offers real-time THz imaging in an uncooled package with size, weight, power consumption, and cost orders of magnitude lower than any other commercially available THz imager

Benefits

- Real-time THz imaging (> 30 fps)
- Large resolution (130x90)
- Highly affordable
- Ultra-low size, weight, and power consumption
- Excellent sensitivity and linearity
- Handheld operation
- Automatic non-uniformity correction
- Multiple high-speed digital output options

Specifications

Operating Wavelength	1–10 THz
NEP	75×10^{-12} W/Hz ^{1/2}
Pixel Size	100 μ m x 100 μ m
Readout Type	CMOS or CCD
Resolution	130x90
Frame Range	30 – 200 fps changeable
Output	14-bit FireWire or GigE, 12-bit CamLink
Cooler	None
Power	12 VDC
Size	5.1" x 2.8" x 2.8" (130 x 70 x 72 mm)
Weight	3 lb. (1.4 kg)
Operating Temperature	-25°C to 70°C

Applications

- Drug Development
- Explosives Detection
- Firefighting
- Food Monitoring
- Laser Beam Profiling
- Mail Inspection
- Manufacturing Process Control
- Medical Imaging
- Nondestructive Testing (NDT)
- Personnel Screening

Specifications subject to change without notice.
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