



TZCam

非制冷式THz成像仪

**SEE INSIDE THE
MATTER SAFELY**

无损探测

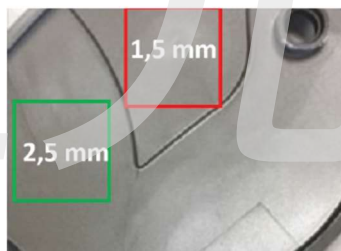
生命科学

科研设备

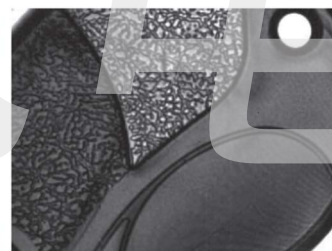
光源测量

TAcam在实验室和科研部门进行太赫兹波领域研究和开发太赫兹应用，比如医学成像、肿瘤诊断是必不可少的。

宽谱的覆盖范围（0.3—4THz）以及优越的灵敏度使得TAcam成为太赫兹光源观测和评价的卓越的工具。



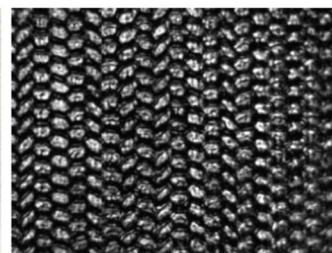
Visible



Terahertz



Visible



Terahertz

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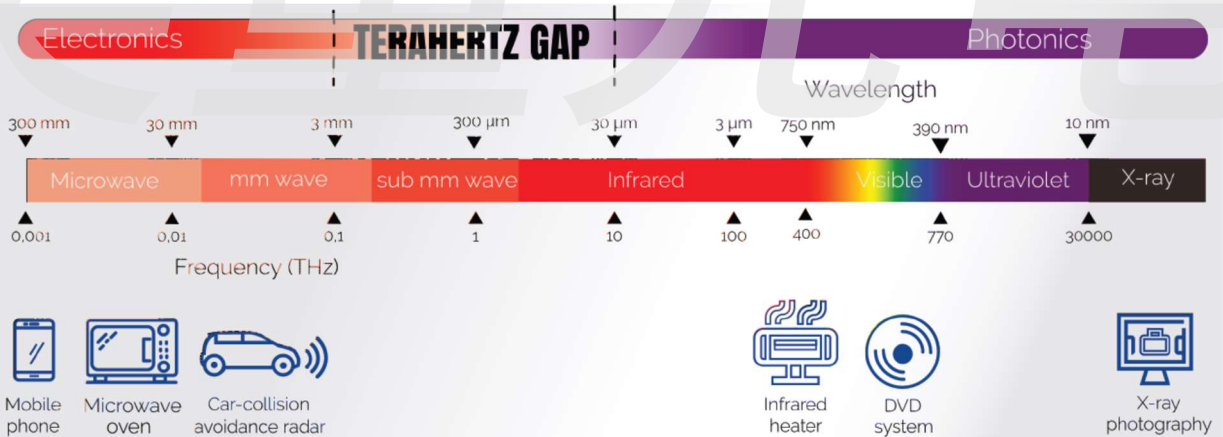
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基于天线耦合的微测热辐射计类型相机

实时成像、分辨率320×240



Spectral range	0.3 – 4 THz (optimized for 1-3 THz)
Sensor	320*240 pixels patented pixel architecture designed by CEA LETI micro-bolometer uncooled technology
Pixel size	50 μm
Frame rate	25 Hz
Sensitivity	20 pw at 2.5 THz
Depth raw data	16 bit
Suply voltage	usb 3.0
Dimensions	119 mm (W) X 126 mm (H) X 63 mm (D)
Weight	camera 840g / objective lens 240g
Magnification	0,25X at 200 mm
Focal length	50 mm
Aperture	F/0.8
Field of view	64 x 48 mm



Located between infrared and microwaves – 100 GHz to 10 THz electro magnetic waves are non-ionizing waves (i.e safe, non-hazardous for human use). In addition, due to high propagation of THz waves through the air, THz imaging technology is ideal for contactless inspection.

Main Applications

Non-Destructive Testing and Inspection, Research in the THz field, Calibration and Qualification of THz sources, Life Sciences, Scientific Instruments.

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