

Redefining industry technology with world-class terahertz imaging products by TeraSense

TeraSense imaging cameras, generators, detectors and optics: smart choice for you

SAN JOSE, CA, USA, February 21, 2016 /EINPresswire.com/ -- Technology is a quintessential part of many businesses, there's no doubt about that. When it comes to making things simpler, as well as adding value to a business, many are prompted to ask themselves if there is anything else to offer to their customers. That's the main idea behind TeraSense technology and our slew of amazing THz products. Our primary objective is to provide you with a technology that could positively impact your ongoing project, and, ultimately, the quality of service your company provides. In short, TeraSense is here to help you revolutionize the technology in your industry, one stellar product at a time.



Terasense THz products: terahertz imaging cameras, generators, detectors

Our high-quality premium products include:

1. [Terahertz Imaging Cameras](#) – These cameras are top-of-the line and lend their high penetration and imaging capabilities to many suitable tasks at hand facing both researchers and industrial clients. Our Terahertz imaging cameras are high-tech devices that are completely void of any moving parts and therefore are not susceptible to any deterioration or wear. On top of that, each device purchased from us is backed by a long warranty, so you need not worry about anything! Our imaging cameras carry a range of exclusive features:

- High responsivity (50 kV/W)
- Video mode (up to 50 frames per second)
- Broad operating frequency range from 50 GHz to 0.7 THz, and versatility it entails
- Powered by USB, for portability and easy access
- Affordable price and a compact size

Exclusive software designed by us – the TeraSense Viewer Software® - is included into supply package for every THz camera model, to help you retrieve the THz images generated by imaging camera at PC.

2. Terahertz Generators (IMPATT Diodes) – Our generators are all specially designed, capable of outputting anywhere from 10 up to 100 mW of power. Special features also include:

- A factory tuned frequency to 100 GHz and 140 GHz,

- Line width can be narrowed down to 1 MHz.
- Each diode is outfitted with a stable current source, high-gain antenna (or WR-type flange) and TTL modulation

Each of these generators is backed by a one year warranty. This means that you're safe with us!

3. Ultrafast [Terahertz Detectors](#) – We provide some of the fastest detectors for Terahertz and sub-Terahertz frequency ranges available on the market today, each crafted with the highest quality material for your satisfaction. Our selection of detectors include the following features:

- Response time: 150 ps
- Spectral range between 50 GHz and 1.0 THz
- Responsivity: 0.5 V/W
- Noise Equivalent Power: 1 nW/Hz
- Sensitive area: 3 x 3.5 mm
- Compact size: 23x 29 x 6.5, mm

We take great care to ensure that each detector that we sell to you is customized to suit your specific needs (e.g. preferred frequency). At TeraSense, we place special emphasis on our customer-focused solutions, giving exactly what you need to bolster your business to the top, with great technology!

4. Optics for Terahertz – We take things a step further by providing quality quasi-optical components for all of our products. Our [THz optics](#) is of special interest for those clients, who pursue comprehensive, all-inclusive solutions for the THz imaging setup and is reluctant to check various vendors. We supply windows, lenses, prisms, attenuators, polarizers and beam splitters and we guarantee you that our products are of the highest quality.

TeraSense should be your choice for quality technology to help your imaging projects evolve and enhance your business and set you apart from the rest in your industry.

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