



QUANTIC

The UK Quantum Technology Hub
in Quantum Enhanced Imaging

TeraCAM™ : Imaging between the IR and radio waves

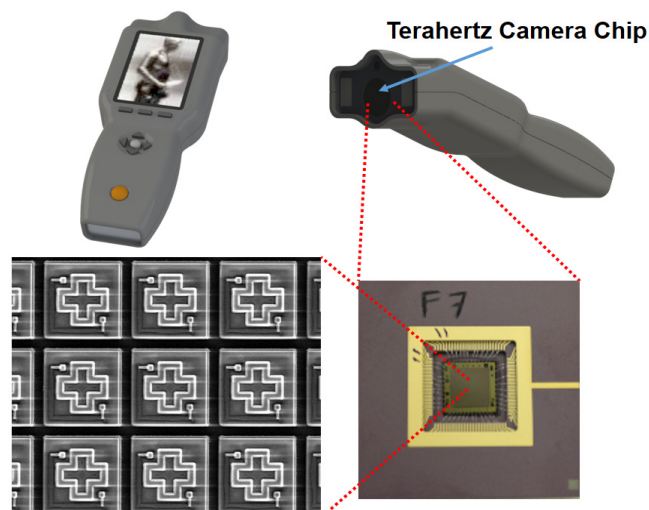
How can you design a camera that can see under the skin? How can you inspect semiconductor devices or even detect drugs?

The electromagnetic spectrum is broad from UV to visible, infrared and beyond. Between the IR and radio waves lies the Terahertz region. At QuantIC we are developing camera systems that can image this terahertz “light” opening applications ranging from security monitoring and manufacturing inspection to skin cancer detection.

The camera systems being developed rely on exploiting widely available CMOS technology and the novel integration of a metamaterial structure. The technique is linearly scalable to other wavelengths, from the IR to microwave, providing a powerful new low cost method for building image sensors.

QuantIC is looking to develop the TeraCAM by working with companies interested in new imaging sensors based on this technology and possible modifications to address market needs and deliver competitive advantage in the following areas:

- Environmental monitoring
- Manufacturing inspection
- Security and Defence
- Medical instrumentation
- Agriculture



QuantIC has a £4M Partnership Resource Fund to support industry led projects to develop our new technology and facilitate its translation to market commercialisation.

For more information, please contact:

Dr Michael Fletcher
QuantIC Business Development Manager
michael.fletcher@glasgow.ac.uk

Professor David Cumming
Project Technology Lead
david.cumming.2@glasgow.ac.uk

www.quantica.ac.uk

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