



# QUANTIC

The UK Quantum Technology Hub  
in Quantum Enhanced Imaging

## Single Pixel Camera : Low-cost Infrared Imaging

**Infrared cameras are used in a variety of industrial applications but they can be expensive with their many millions of pixel arrays. What if you had a cheaper camera that could do the same but with just one pixel? With the Single Pixel Camera, this is now possible.**

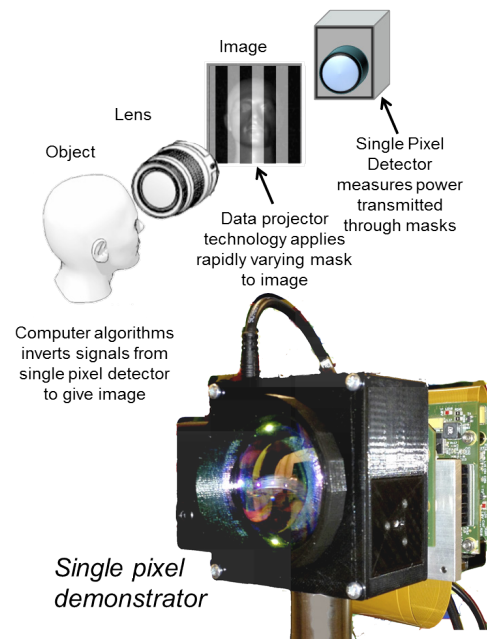
QuantIC is developing cameras that have only one pixel, but when combined with the technology similar to that found in a digital cinema projector these single pixel cameras still produce real time video.

The advantage of the single pixel approach is that it is much cheaper than a multimillion infrared pixel array, where traditional cameras are expensive or even impossible.

We are already working with the private sector on a number of different industrial applications including the imaging of leaking gas with M Squared Lasers and a 3D imaging project with Leonardo (formerly Finmeccanica-Selex ES).

QuantIC is interested in further technical modifications leading to new applications of this technology to address market needs and deliver competitive advantage in the following areas:

- Security and Defence
- Agriculture and Food Processing
- Emergency Services
- Medical imaging
- Environmental Monitoring



QuantIC has a £4M Partnership Resource Fund to support industry-led projects. Work with us to develop new technology and facilitate its translation into commercial products.

For more information, please contact:

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