

## A Superconducting Terahertz Imager

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**Abstract** - The Superconducting Terahertz Imager (SCOTI) is a small Cassegrain-type telescope with a scanning secondary mirror designed for a frequency of 0.34 THz. It can map objects at a distance of 5 meter using a small array of superconducting bolometers. The resolution at the object area is about 1 cm. Purely passive images of interesting objects can be taken using SCOTI, thus opening a wide field of applications.

**Keywords:** THz, Terahertz, bolometer, TES, MUX

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