

# Abstracts

## Terahertz imaging via electrooptic effect

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*Zhiping Jiang and Xi-Cheng Zhang. "Terahertz imaging via electrooptic effect." 1999 Transactions on Microwave Theory and Techniques 47.12 (Dec. 1999 [T-MTT] (Special Issue on 1999 International Microwave Symposium)): 2644-2650.*

In this paper, we describe and discuss three electrooptic-based terahertz imaging systems: the point scanning system, a two-dimensional charge-coupled device (CCD) system and a one-dimensional spatio-temporal chirped pulse imaging system. A complete comparison between the scanning system and CCD systems is given. We emphasize the CCD systems that provide high acquisition speed by taking unique advantage of parallel measurement. Possible improvements are also discussed.

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