

Abstracts

Terahertz imaging via electrooptic effect

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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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