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3D holography using communication mode optics

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Abstract

We demonstrate a holographic technique based on interfering the optimum orthogonal communication modes connecting a source plane and a receiver volume, enabling 3D holography with high resolution, low cross-talk, and realistic depth perception. © 2024 The Author(s).

Indexed keywords

Engineering controlled terms
Holography; Optical communication

Engineering uncontrolled terms
Communication mode; Cross talks; High resolution; Holographic technique

Engineering main heading
Depth perception

SciVal Topics

3D holography using communication mode optics

Topic name
Holography; Image Reconstruction; Lithography
Prominence percentile
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Office of Naval Research	N00014-20-1-2450	ONR
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