

Holographic Collimator for Reconstruction of Display Holograms

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Abstract

A compact holographic collimator is presented for the reconstruction of display holograms. The diffracted 3D image from a display hologram can be observed through the illumination of the holographic collimator. A compact active holographic display can be achieved by switching the internal light source of the holographic collimator to control the diffraction of the 3D image.