

Low-Cost Glasses-Free 3D via Multiple LCDs

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The MIT Media Lab presents a low-cost take on glasses-free 3D at SIGGRAPH-- "Tensor Displays," a combination of multiple low-cost LCD panels and clever software.



According to the creators, the project focuses on the computing side of 3D, rather than optics. The SIGGRAPH prototype consists of 3 stacked LCD panels, each showing a slightly different image.

Meanwhile special software assigns and alternates between images x4 times per frame of video in order to create an illusion of depth.

The prototype also makes use custom integral backlighting and a GPU.

The system is still (at least) 5 years away from reaching consumers-- currently it requires a dark room for optimal effect, and only shows still images. Something to keep in mind for the near future, then.

Go [Tensor Displays \(MIT Media Lab\)](#)