

Poster Presentation

[3Dp1/3DSAp1]3D and Hyper-realistic Displays and Applications 1

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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[3Dp1/3DSAp1-29L]Light Field Camera with Pan-tilt Function

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Keywords:light field camera, wide field of view, pan-tilt, lens array, piezo stage

A light field camera with a high-speed pan-tilt function is proposed. The system consisted of two lens arrays, a two-dimensional actuator, and an image sensor. The experimental system was constructed using 103.5- μ m pitch lens arrays and a 4K image sensor and the pan-tilt and refocus functions were verified.