

Poster Presentation

[LCTp4]High Image Quality

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[LCTp4-2]An MVA – LCD with Low Color Washout by New Pixel Design

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Keywords:New Pixel, color washout, ITO Trunk

In order to improve the color washout of multi-domain vertical alignment (MVA) LCD in low gray scale, a new pixel design with reduced color washout and high transmittance is proposed. In the new pixel design, the ITO slit angles of the R/G/B sub-pixels are changed to varying degrees, and the central V-Trunk is blocked by metal. As a result, the color washout is greatly improved (about 40%) without loss of transmittance.