

Oral Presentation

## [LCT5/FMC5]High Performance 8K LCDs

Chair: Koichi Miyachi (JSR)

Co-Chair: Toshimitsu Tsuzuki (NHK)

Fri. Nov 29, 2019 9:00 AM - 10:35 AM Mid-sized Hall A (1F)

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10:15 AM - 10:35 AM

## [LCT5\_FMC5-4L]55" High Contrast Ratio Panel Produced by Pixel Level Local Dimming Technology

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Keywords:High contrast ratio, Dual cell, Pixel level local dimming

The contrast ratio is a important index for the LCD optics. The higher contrast ratio, the picture quality reconstructed by LCD is better. LCD module is constructed by back light and optical switch. And the LC is not an ideal optical switch, so the contrast ratio of LCD is lower than OLED. We use dual cell which can use pixel level local dimming to improve the contrast ratio, and it can make the contrast ratio from 5000:1 to 200000:1.