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PROUD MEMBER OF

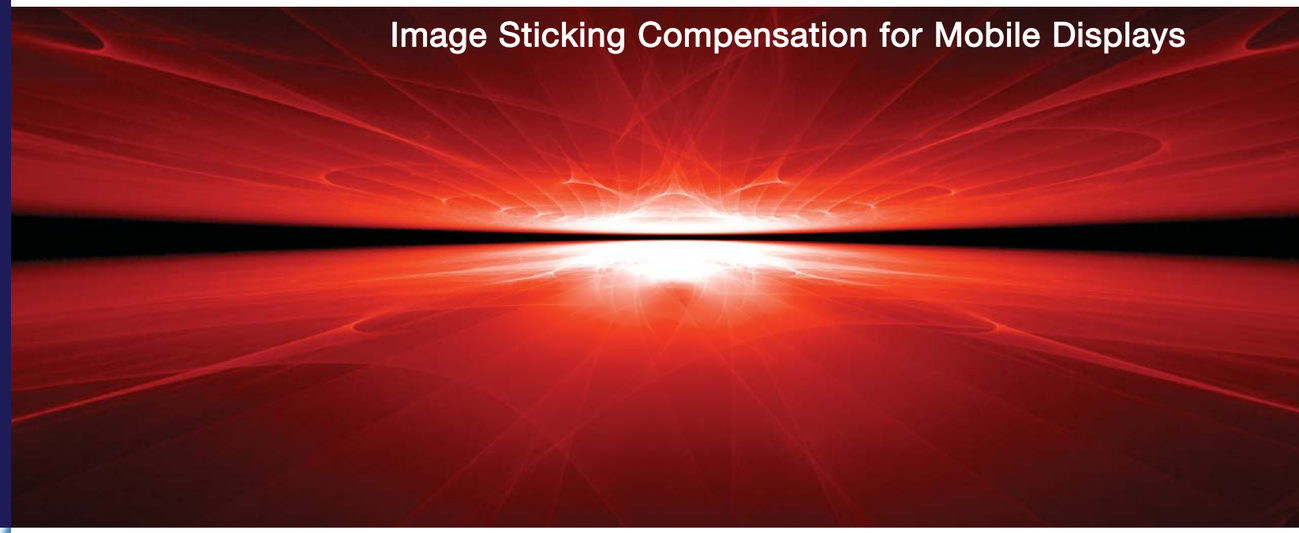
Innovate. Enhance. Inspire.

IGNIS Innovation Inc.

IGNIS AdMo™

Mura Compensation for Mobile Displays

Image Sticking Compensation for Mobile Displays



IGNIS AdMo-p™ for Polysilicon AMOLED

Mura Compensation for Mobile Displays

AMOLEDs with polysilicon backplanes typically suffer from variations in brightness called “mura”, leading to low yields and high cost. IGNIS AdMo-p™ technology is an in-pixel correction circuit that **completely eliminates mura**, increasing yields and improving the bottom line.

Benefits

- Mura-free, increasing yields by 30% or more
- Yields stay high (>95%) even as panel size increases
- Uses standard drivers and no custom components
- Resolutions up to 300ppi
- Eliminates artifacts caused by changes in Vt, mobility, and temperature

Polysilicon AMOLEDs with no compensation (severe mura)

Polysilicon AMOLEDs with conventional compensation (some visible mura)

Polysilicon AMOLED with IGNIS AdMo-p™ technology (mura-free)

IGNIS AdMo™ for Amorphous Silicon AMOLED

Image Sticking Compensation for Mobile Displays

AMOLEDs with amorphous silicon backplanes are prone to significant “image sticking” issues that render a display unusable. A static image (such as mobile phone icons) can be burned into the display in under an hour. IGNIS Advanced Mobile (AdMo™) technology **completely eliminates image sticking and improves lifetime**, without changing materials or manufacturing methods.

Benefits

- Image sticking free, increasing device lifetime by 10-20 times
- Uses standard drivers and no custom components
- Better-than-LCD cost
- Resolutions up to 250ppi
- Eliminates artifacts caused by changes in Vt, mobility, and temperature

Visible image sticking with conventional amorphous silicon AMOLED

Image sticking-free with IGNIS AdMo™ technology

Our advantage: Relaxation Driving

IGNIS relaxation driving actually slows the degradation of the amorphous silicon backplane, delivering tomorrow’s displays with today’s materials.