



MaxLife™

for Amorphous Silicon Backplanes Lifetime and Image Sticking Compensation for Monitors & Television

In AMOLED televisions with conventional amorphous silicon backplanes, both the backplane and the OLED degrade rapidly. This diminishes the user experience by reducing device lifetime and causes "image sticking" of text, network logos, etc.

IGNIS MaxLife™ Hybrid Drive technology for amorphous silicon delivers the ultimate state-of-the-art backplane for AMOLED TV. **With cutting edge performance, MaxLife™ pushes the limits of convention by using amorphous silicon for television. This enables AMOLED TV to rapidly expand into larger display sizes for lower cost.** Taking advantage of industry-standard amorphous silicon manufacturing infrastructure, MaxLife™ is the first and best choice in backplane management solutions.

Benefits

- ▶ Uses existing amorphous silicon processes, delivering high yields and leveraging the huge available manufacturing capacity
- ▶ Lifetimes of 60,000hrs or more
- ▶ Eliminates image sticking; luminance uniformity of 99%
- ▶ OLED material requirements are relaxed



Conventional amorphous silicon AMOLED televisions show burned-in text and graphics



An amorphous silicon AMOLED television with **IGNIS MaxLife™** technology is crisp and clear

Our advantage: Relaxation Driving

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

