



## Sharp's New R-IGZO 5-inch Display Sets Standard for Sunlight Viewability with Low-Power

**VANCOUVER, Wash.–July 15, 2021**—Today, Sharp Electronics Corporation Device Division (SECD) unveiled its new Reflective IGZO (R-IGZO) 5-inch (diagonal) display for handheld applications. This latest IGZO-based innovation brings an unbeatable solution for sunlight viewability in handheld technology with incredibly low power consumption. Samples are available now, with mass production starting in December 2021. For more information, [visit our Sharp R-IGZO product information page](#).

The 5.0-inch R-IGZO portrait-mode display is ideal for battery-powered, handheld products that require full-color and high-resolution performance in bright outdoor environments. The panel offers ultra-low power consumption for both still and motion images. The display also delivers industrial-strength operating temperature ranges.

### Key Features

#### Ultra-low Power Consumption

- IGZO enables flicker-free 1Hz refresh of static images + zero backlight power in reflective mode

#### Exceptional Outdoor Viewability

- Full-color, full-speed video at 60Hz refresh
- Reflective electrode structure + high contrast
- -20°C to +70°C operating temperature enables a wide variety of applications

#### Thin and Lightweight

- Low-power frontlight system can minimize thermal management issues and reduce battery size/cost, enabling slim and light product designs

### IGZO Technology

Sharp's revolutionary IGZO technology moves beyond traditional TFT LCD technology with electron mobility far higher than Amorphous Silicon (a-Si) displays. The result delivers high-resolution, ultra-low power, slim product profiles, and exceptionally detailed touch panel capabilities.

### About Sharp Electronics Corporation, Device Division

Sharp Electronics Corporation, Device Division (SECD) drives innovative LCD components to market. The world's leading manufacturers of consumer and business technologies look to SMA for the products, expertise, and worldwide support they need to make their visions a reality. For more information, visit us at [www.SHARPsma.com](http://www.SHARPsma.com).

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