Super-wide-view TFT LCDs include integrated LED driver circuits for sunlight readable applications

Kyocera Display America has announced three new TFT-LCDs that will be added to its extensive TFT-LCD product line. The three new products are a 7.0” WVGA and two 8.4” SVGA TFT-LCD displays. All displays feature Super Wide Viewing (SWV) technology and two of them are super high brightness for sunlight readable outdoor applications.

Super Wide Viewing technology delivers true color and the best optical performance. It enables people to view images with vivid color (no grey inversion) from any angle.

Designed with the latest high-efficiency, long lifetime LED backlight, the LCD panels achieve brightness levels as high as 1200 nits (cd/m2), and provide an ideal solution for medical, automotive and any outdoor applications requiring sunlight readability.

The LED driver circuit is integrated into the LCD module, with full dimming function, so no additional components are required to drive the backlight. The backlight itself is specially designed to provide lower power consumption by using the latest technology for LED chips and light guides. The new TFT-LCDs are designed with standard LVDS interface, and offer a wide operating temperature range of -30º to 85º C.

	T-55785GD070J-LW-ABN	T-55786GD084J-LW-AAN	T-55786GD084J

Size	7.0”	8.4”	8.4”
Resolution	800 x 480	800x 600	800 x 600
Brightness	1000nits	600nits	1200nits
Viewing Angle (U/D/L/R)	85/85/85/85	85/85/85/85	85/85/85/85
Contrast Ratio	500:1	500:1	500:1
Interface	LVDS	LVDS	LVDS
Operating temp	-30 ~ 80 C	-30~ 80 C	-30~80 C
LED driver	Built-in	Built-in	Built-in
Production	April 2013	April 2013	April 2013
Sample	Now	Now	Now

www.kyocera-display.com [1]

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[1] http://www.kyocera-display.com