

CV121SV01

12.1" SVGA TFT LCD

High Bright LED edge lit

Features:

- High bright LED Edge Light
1200 Nits
- Optically Bonded
- Low Power
- Thin Mechanical Package
- Single Channel LVDS Interface
- Wide Temperature Range
- 6 bit color / 256 K or 8 bit color 16.7M colors
- Wide Viewing Angle



CV121SV01 is a color active matrix TFT LCD module using amorphous silicon TFT (thin film transistors) as the active switching devices. This module has a 12.1 inch diagonally measured active area with SVGA resolution (800 horizontal and 600 vertical pixel array). The display is equipped with high bright LED edge-lighting, capable of full day light readability at 1200 nits. LED edge lighting ensures high brightness, wide dimming ratios and a very low temperature operation. The display also features optical bonding for very low reflection and a rugged design. Standard bonding comes with 3mm AR coated glass. Other configurations include non-bonded, AR film, bonded touch, 6 mm glass, heat or chemical strengthening and EMI filters.

Specifications:

| | | | |
|------------------------------|----------------------|------------------------------|---------------------|
| Screen Type (diagonal) | 12.1" | Response Time Tr/Tf (ms) | 10 / 25 |
| Voltage (V) | 3.3 | LED Current & Voltage (mA/V) | 250 x 2 / 17.6 |
| Display Resolution W*H (dot) | 800 x 600 | B/L Power Consumption (W) | 8.80 |
| Dot Pitch W*H (mm) | 0.3075 x 0.3075 | High/Low Temp. storage (C) | 85 / -30 |
| Viewing Angle (U/D/L/R) | 50 / 60 / 80 / 80 | High/Low Temp. operation (C) | 85 / -30 |
| Luminance Uniformity (%) | 85% | Interface | Single channel LVDS |
| Brightness (nits) | 1200 | Weight (g) | 860 |
| Dimensions W*H*D (mm) | 279.0 x 209.0 x 15.5 | RoHS | Yes |
| Contrast Ratio | 600 : 1 | LED Driver Model No. | CV121D01 |
| Standard Optical Bond | 3 mm AR coated | Lighting Type | LED edge lit x 2 |

