

CV215HW01

21.5" 1080P TFT LCD

High Bright LED edge lit

Features:

High bright LED Edge Light
1200 Nits

Optically Bonded

Low Power

Thin Mechanical Package

Dual Channel LVDS Interface

Wide Temperature Range

6 bit color with R-FRC depth; 16.7 M

total colors

Wide Viewing Angle



CV215HW01 is a color active matrix TFT LCD module using amorphous silicon TFT (thin film transistors) as the active switching devices. This module has a 21.5 inch diagonally measured active area with Full HD resolution (1920 horizontal and 1080 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)	21.5"	Response Time Tr/Tf (ms)	3.8 / 1.2
Voltage (V)	5	LED Current & Voltage (mA/V)	800 x 2 / 18
Display Resolution W*H (dot)	1920 x 1080	B/L Power Consumption (W)	28.8
Dot Pitch W*H (mm)	0.248 x 0.248	High/Low Temp. storage (C)	60 / -20
Viewing Angle (U/D/L/R)	80 / 80 / 85 / 85	High/Low Temp. operation (C)	50 / -10
Luminance Uniformity(%)	85%	Interface	Dual channel LVDS
Brightness (nits)	1200	Weight (g)	3100
Dimensions W*H*D (mm)	495.6 x 292.2 x 18.4	RoHS	Yes
Contrast Ratio	800 : 1	LED Driver Model No.	CV215D01
Standard Optical Bond	3 mm AR coated	Lighting Type	LED edge lit x 2

Mechanical Drawing:

