

CV-W121 Series

21.5" TFT Full HD 16:9 Display Module with Resistive 5-wire Touch /
Projected Capacitive Touch / Glass Only



CONVERTIBLE DISPLAY MODULE

| CV-100 Series |

Overview

CV-W121 Series is 21.5" wide screen LCD display module with resistive 5-wire touch, projected capacitive touch screen, or glass only. It offers resolution up to 1920 x 1080 (Full HD) and 300 nits brightness. CV-W121 Series features flat surface and IP65 dust/waterproof front panel. In addition, designed with aluminum die-cast front frame, it is rugged and reliable for industrial environment. With support for Convertible Display System (CDS) technology, CV-W121 Series allows you to configure, upgrade and maintain your Convertible Display System easily.

- 21.5" TFT Full HD 16:9 LCD with Resistive 5-wire Touch / Project Capacitive Touch / Glass Only
- 50,000 hrs LED Backlight Life
- Resolution up to 1920 x 1080 (Full HD)
- 300 nits Brightness
- Designed with Aluminum Die-cast Front Frame
- IP 65 Compliant Front Panel
- Convertible Display System (CDS) Supported
- Safety: UL, cUL, CB, IEC, EN 62368-1

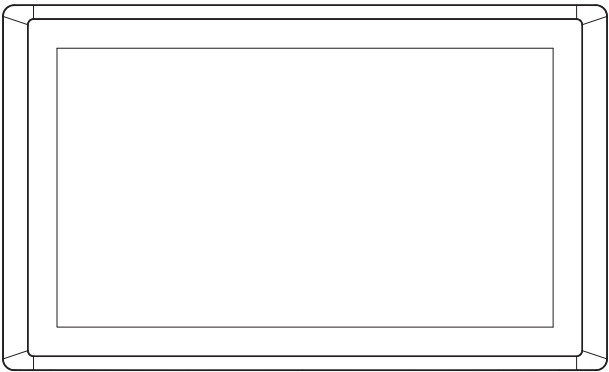


CV-W121 Series Specifications

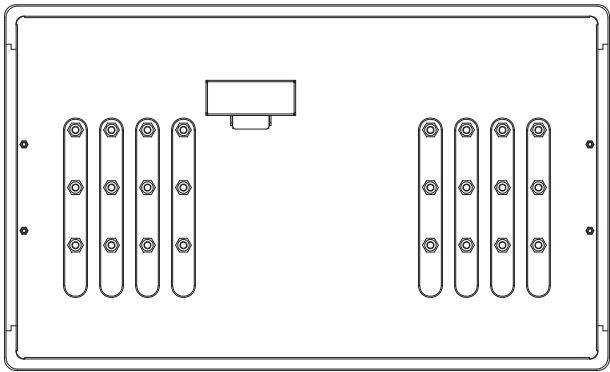
Model Name	CV-W121R		CV-W121C	CV-W121G
Display				
LCD Size	▪ 21.5” (16:9)			
Max. Resolution	▪ 1920 x 1080			
Brightness (cd/m2)	▪ 300			
Contrast Ratio	▪ 5000 : 1			
LCD Color	▪ 16.7M			
Pixel Pitch (mm)	▪ 0.24825 (H) x 0.24825 (V)			
Viewing Angle (H-V)	▪ 178 / 178			
Backlight MTBF	▪ 50,000 hrs (LED Backlight)			
Touch Screen				
Touch Type	▪ Resistive 5-wire	▪ Projected Capacitive	▪ Glass Screen	
Physical				
Dimension (W x D x H)	▪ 550 x 330.5 x 63.2mm			
Weight Information	▪ 5.56 kg			
Mechanical Construction	▪ Die-Casting Flat Surface			
Environment				
Front Panel Protection	▪ IP 65 Compliant			
Operating Temperature	▪ 0°C to 60°C (with Industrial Grade peripherals; Ambient with air flow)			
Storage Temperature	▪ -20°C to 60°C			
Relative Humidity	▪ 80% RH @ 50°C (Non-condensing)			
EMC	▪ CE, UKCA, FCC, ICES-003 Class A			
EMI	▪ CISPR 32 Conducted & Radiated: Class A ▪ EN/BS EN 55032 Conducted & Radiated: Class A ▪ EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A ▪ EN/BS EN61000-3-3 Voltage fluctuations & flicker ▪ FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A			
EMS	▪ EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV ▪ EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 3 V/m ▪ EN/IEC 61000-4-4 EFT: AC Power: 1 kV; DC Power: 0.5 kV; Signal: 0.5 kV ▪ EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV ▪ EN/IEC 61000-4-6 CS: 3V ▪ EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m ▪ EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 0.5 cycles at 50 Hz			
Safety	▪ UL, cUL, CB, IEC, EN 62368-1			

External Layout

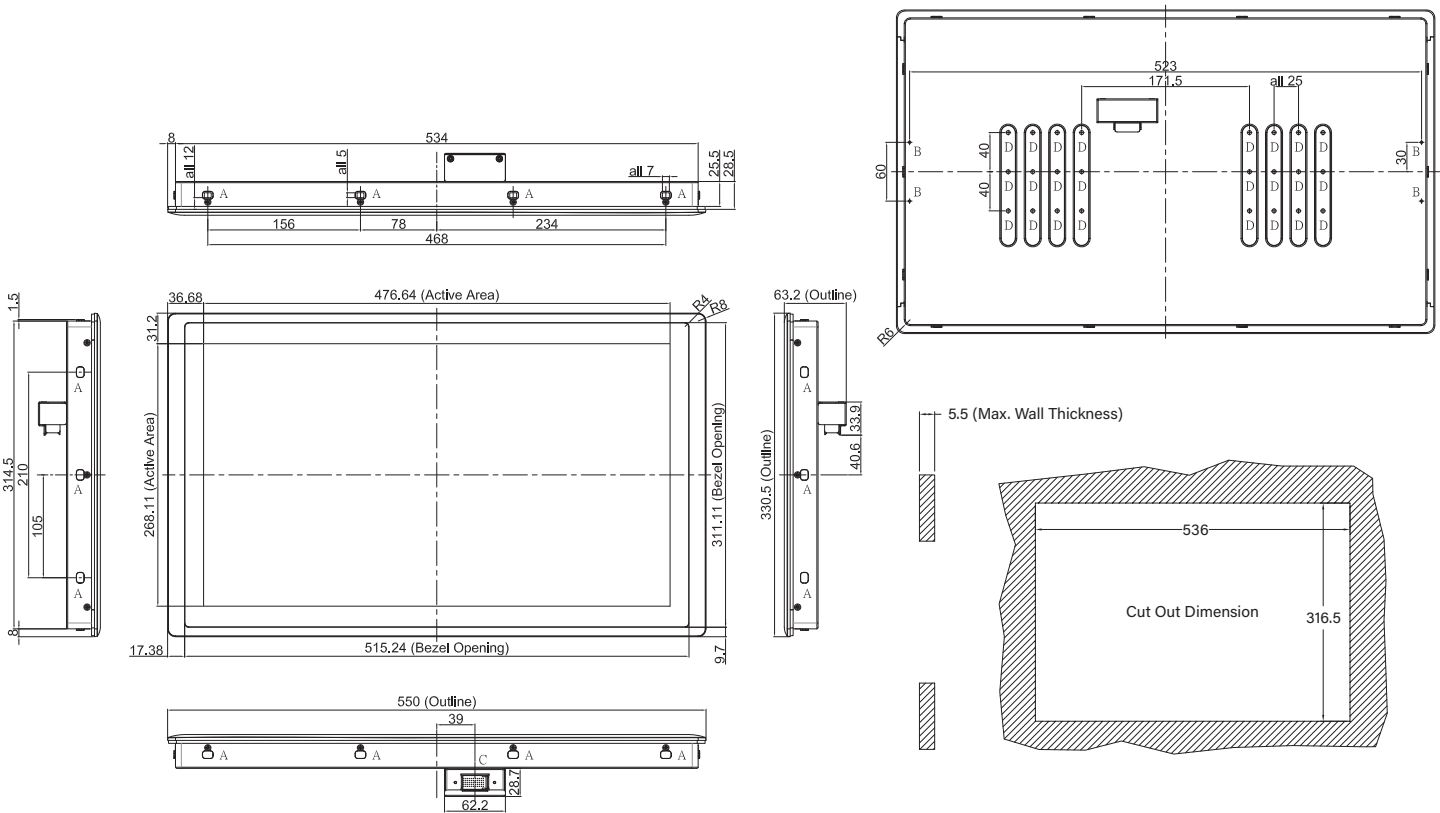
Front



Rear



Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-W121R-R10	21.5" TFT Full HD 16:9 Display Module with Resistive 5-wire Touch
CV-W121C-R11	21.5" TFT Full HD 16:9 Display Module with Projected Capacitive Touch
CV-W121G-R10	21.5" TFT Full HD 16:9 Display Module without Touch

Package Checklist

• CV-W121 Series Display Module x 1	• Panel Mounting Kit x 1
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