

# CV-110 Series

10.4" TFT SVGA 4:3 Display Module with Resistive 5-wire Touch  
/ Projected Capacitive Touch



## CONVERTIBLE DISPLAY MODULE

| CV-100 Series |

### Overview

[CONTACT](#)

CV-110 Series is a 10.4" LCD display module with resistive 5-wire / projected capacitive touch screen. It offers resolution up to 800x600 (SVGA) and 400 nits brightness. CV-110 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-110 Series allows you to configure, upgrade and maintain your Convertible Display System easily.

### Key Features

- 10.4" SVGA TFT 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- 70,000 hrs LED Backlight Life
- Resolution up to 800 x 600 (SVGA)
- 400 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

### Certifications

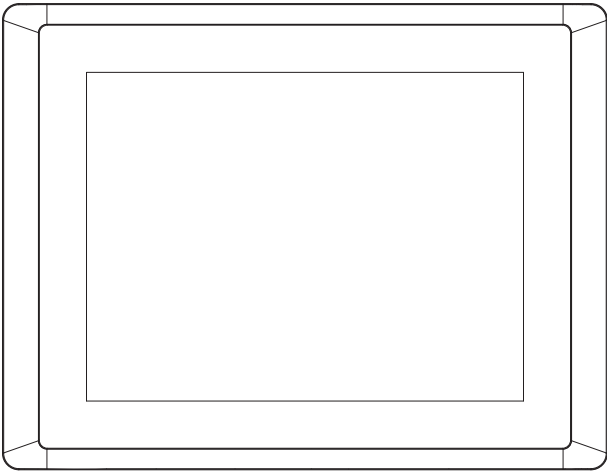


## CV-110 Series Specifications

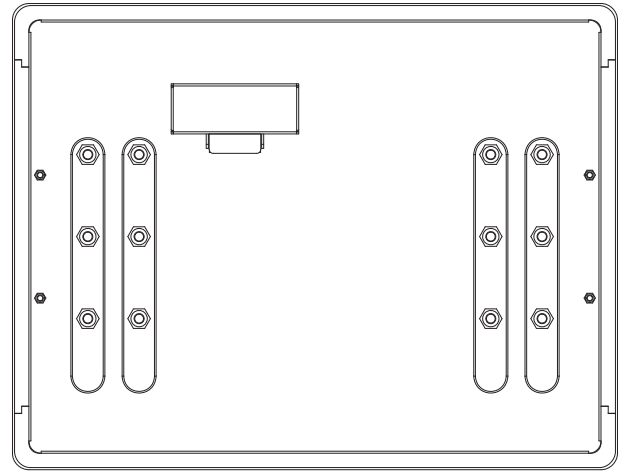
Model Name	CV-110R	CV-110C
<b>Display</b>		
LCD Size	• 10.4" (4:3)	
Max. Resolution	• 800 x 600	
Brightness (cd/m <sup>2</sup> )	• 400	
Contrast Ratio	• 700 : 1	
LCD Color	• 16.2M	
Pixel Pitch (mm)	• 0.264 (H) x 0.264 (V)	
Viewing Angle (H-V)	• 160 / 130	
Backlight MTBF	• 70,000 hrs (LED Backlight)	
<b>Touch Screen</b>		
Touch Type	• Resistive 5-wire	• Projected Capacitive
<b>Physical</b>		
Dimension ( W x D x H )	• 295 x 227.3 x 56.2 mm	
Weight Information	• 2.24 kg	
Mechanical Construction	• Die-Casting Flat Surface	
<b>Environment</b>		
Front Panel Protection	• IP 65 Compliant	
Operating Temperature	• Ambient with Air flow: -20°C to 75°C (with Industrial Grade Peripherals)	• Ambient with Air flow: -20°C to 80°C (with Industrial Grade Peripherals)
Storage Temperature	• -30°C to 80°C	
Relative Humidity	• 90% RH @ 40°C (Non-condensing)	
EMC	• CE, UKCA, FCC, ICES-003 Class A	
EMI	<ul style="list-style-type: none"> <li>• CISPR 32 Conducted &amp; Radiated: Class A</li> <li>• EN/BS EN 55032 Conducted &amp; Radiated: Class A</li> <li>• EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A</li> <li>• EN/BS EN61000-3-3 Voltage fluctuations &amp; flicker</li> <li>• FCC 47 CFR Part 15B, ICES-003 Conducted &amp; Radiated: Class A</li> </ul>	
EMS	<ul style="list-style-type: none"> <li>• EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV</li> <li>• EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 3 V/m</li> <li>• EN/IEC 61000-4-4 EFT: AC Power: 1 kV; DC Power: 0.5 kV; Signal: 0.5 kV</li> <li>• EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV</li> <li>• EN/IEC 61000-4-6 CS: 3V</li> <li>• EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m</li> <li>• EN/IEC 61000-4-11 Voltage Dips &amp; Voltage Interruptions: 0.5 cycles at 50 Hz</li> </ul>	
Safety	• UL, cUL, CB, IEC, EN 62368-1	

**External Layout**

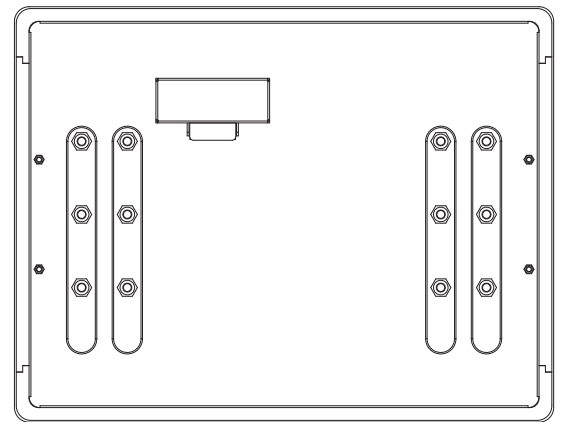
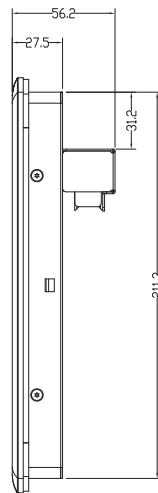
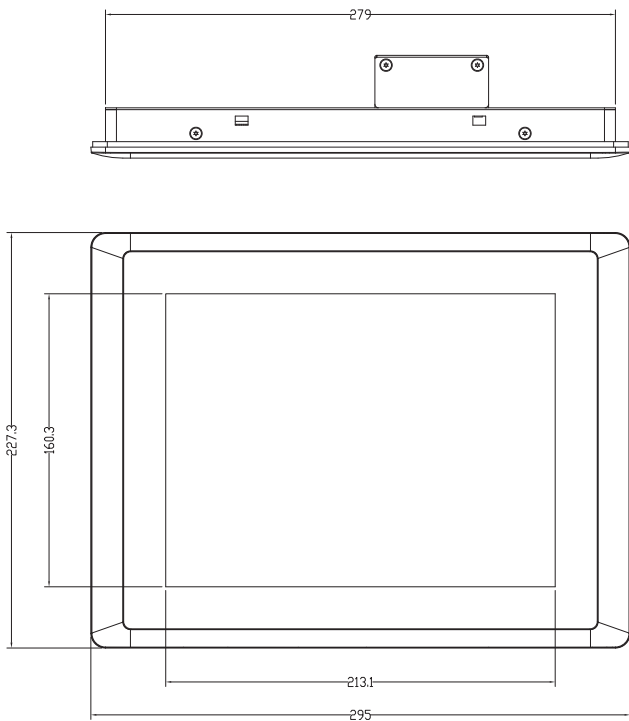
Front



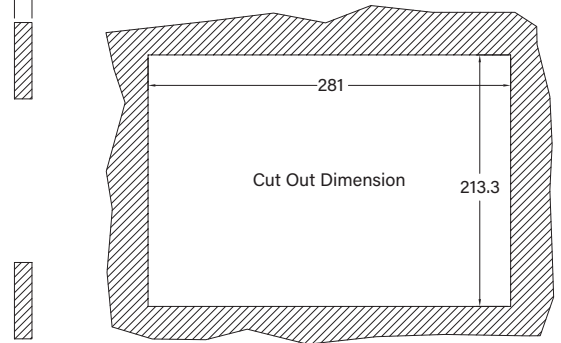
Rear



**Dimensions**



5.5 (Max. Wall Thickness)



**Unit: mm**

## Ordering Information

### Available Models

Model No.	Description
CV-110R-R10	10.4" TFT SVGA 4:3 Display Module with Resistive 5-wire Touch
CV-110C-R11	10.4" TFT SVGA 4:3 Display Module with Projected Capacitive Touch

### Package Checklist

- CV-110 Series Display Module x 1
- Panel Mounting Kit x 1