

CV-112H Series

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



CONVERTIBLE DISPLAY MODULE

| CV-100 Series |

Overview

[CONTACT](#)

CV-112H Series is a 12.1" LCD display module with resistive 5-wire / projected capacitive touch screen. It offers resolution up to 1024 x 768 (XGA) and 500 nits brightness. CV-112H 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 Convertible Display System (CDS) technology support, CV-112H Series allows you to configure, upgrade and maintain your Convertible Display System easily.

Key Features

- 12.1" XGA TFT 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- 50,000 hrs LED Backlight Life
- Resolution up to 1024 x 768 (XGA)
- 500 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

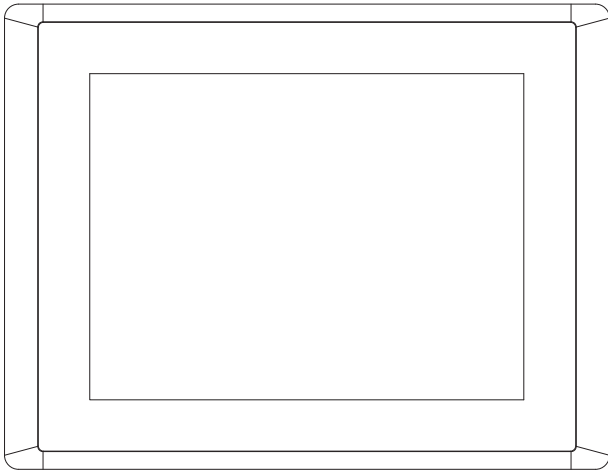


CV-112H Series Specifications

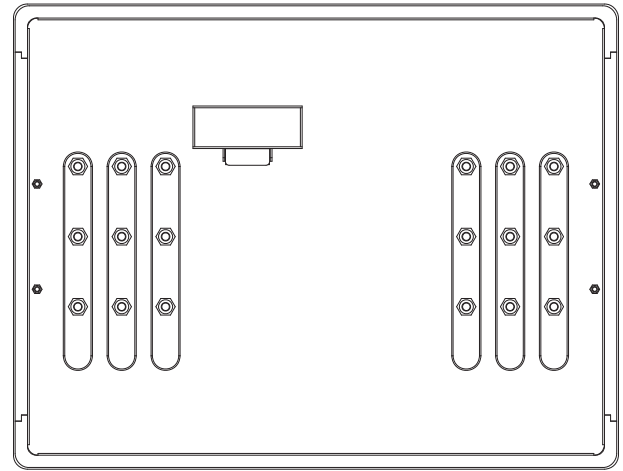
Model Name	CV-112HR	CV-112HC
Display		
LCD Size	• 12.1" (4:3)	
Max. Resolution	• 1024 x 768	
Brightness (cd/m ²)	• 500	
Contrast Ratio	• 700 : 1	
LCD Color	• 16.7M	
Pixel Pitch (mm)	• 0.24 (H) x 0.24 (V)	
Viewing Angle (H-V)	• 160 / 140	
Backlight MTBF	• 50,000 hrs (LED Backlight)	
Touch Screen		
Touch Type	• Resistive 5-wire	• Projected Capacitive
Physical		
Dimension (W x D x H)	• 345 x 265.3 x 57 mm	
Weight Information	• 3.16 kg	
Mechanical Construction	• Die-Casting Flat Surface	
Environment		
Front Panel Protection	• IP 65 Compliant	
Operating Temperature	• -20°C to 75°C (with Industrial Grade peripherals; Ambient with air flow)	• -20°C to 80°C (with Industrial Grade peripherals; Ambient with air flow)
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"> • 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	<ul style="list-style-type: none"> • 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

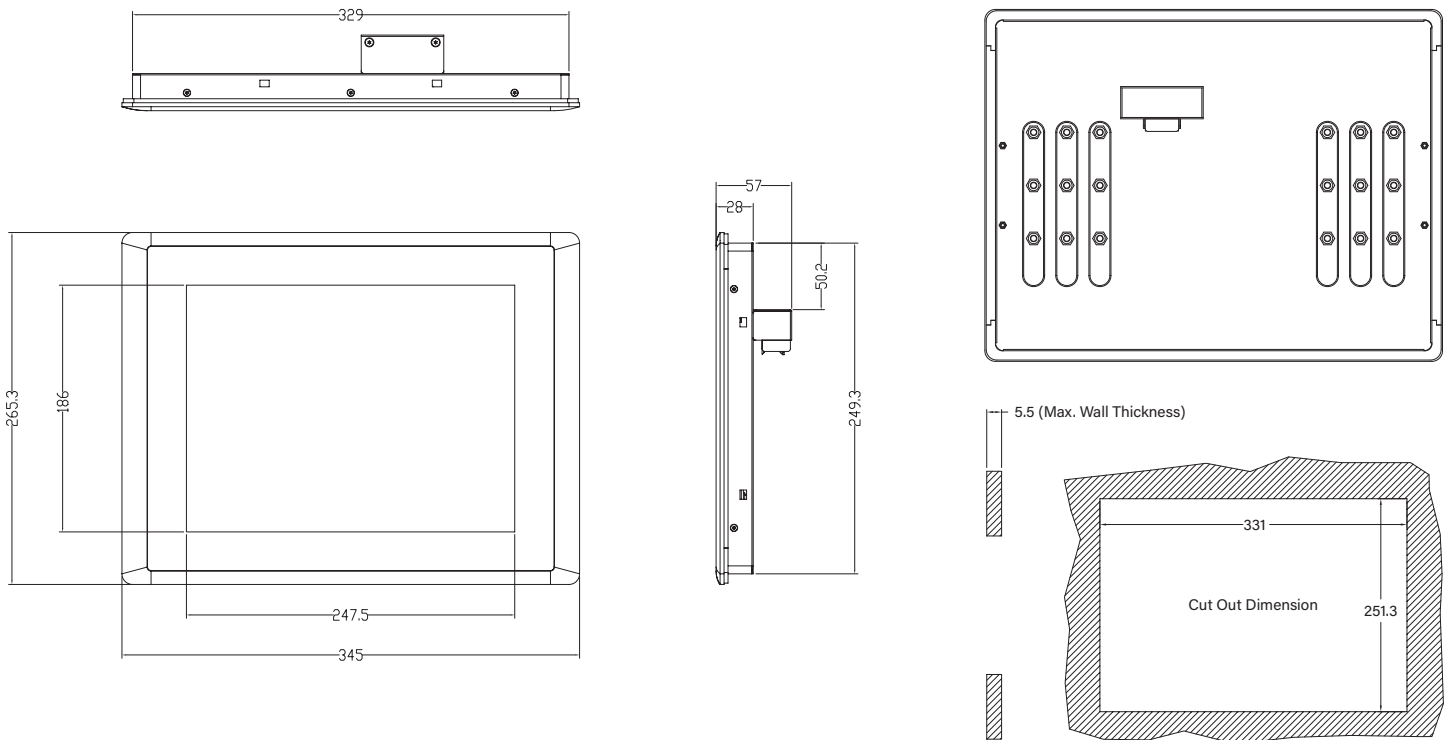
Front



Rear



Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-112HR-R10	12.1" TFT XGA 4:3 Display Module with Resistive 5-wire Touch
CV-112HC-R11	12.1" TFT XGA 4:3 Display Module with Projected Capacitive Touch

Package Checklist

- CV-112H Series Display Module x 1
- Panel Mounting Kit x 1