

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

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.

- 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

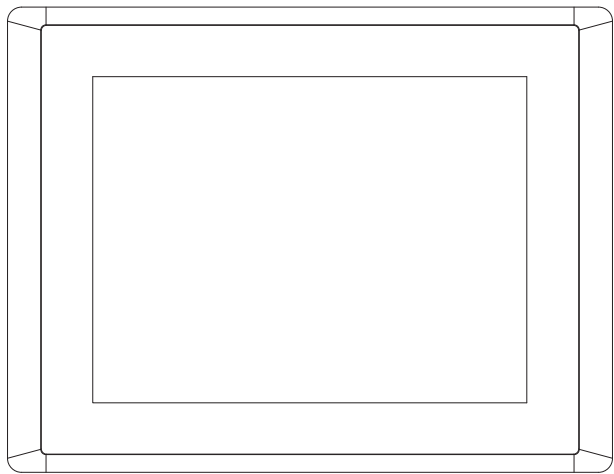


CV-112H Series Specifications

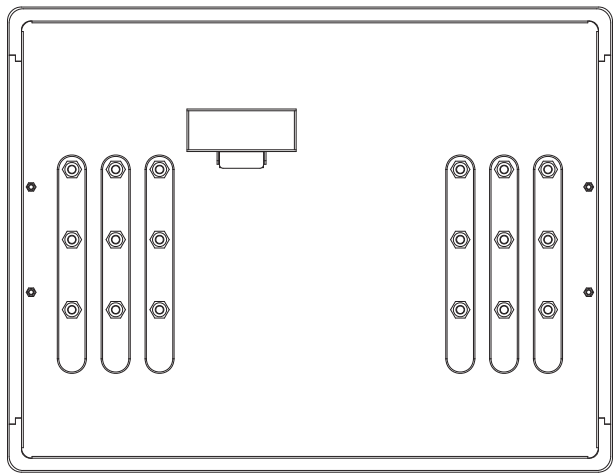
Model Name	CV-112HR		CV-112HC
Display			
LCD Size	▪ 12.1" (4:3)		
Max. Resolution	▪ 1024 x 768		
Brightness (cd/m2)	▪ 500		
Contrast Ratio	▪ 700 : 1		
LCD Color	▪ 16.7M		
Pixel Pitch (mm)	▪ 0.24 (H) x 0.24 (V)		
Viewing Angle (H-V)	▪ 160 / 140		
Backlight MTBF	▪ 50,000 hrs (LED Backlight)		
Touch Screen			
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	▪ 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

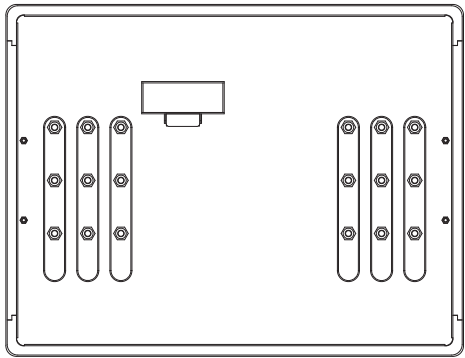
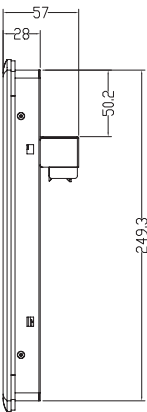
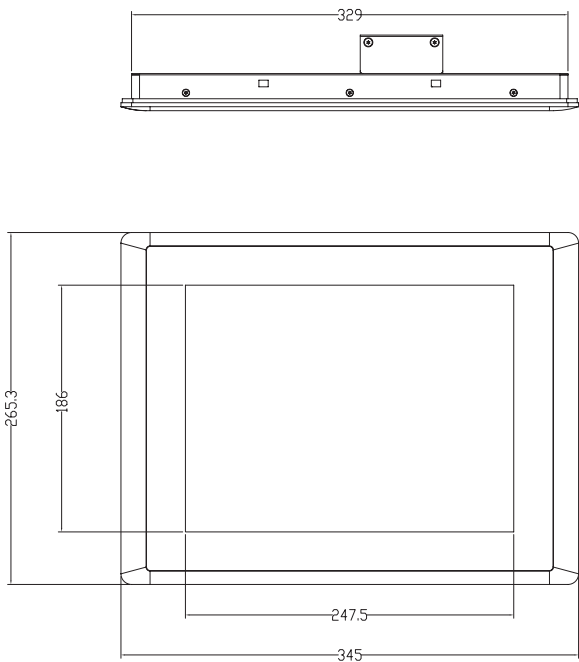
Front



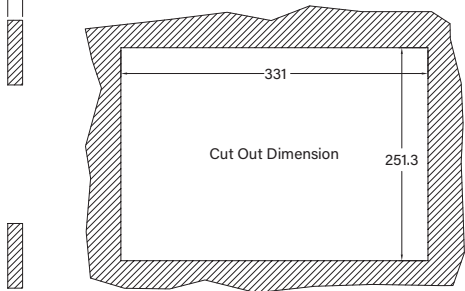
Rear



Dimensions



5.5 (Max. Wall Thickness)



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
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