cincoze™

CV-212

12.1” Rugged Industrial Display Module

Key Benefits

- **12.1” WXGA Display** with 1280 × 800 resolution and wide 178° viewing angles
- **Projected Capacitive Touchscreen** with anti-glare coating and wet touch tracking
- **IP66 Front Panel Protection** with rugged die-cast construction for industrial environments
- **Long-Life LED Backlight** rated for up to 50,000 operating hours
- **Modular CDS Architecture** supporting configurable industrial panel PC and touch monitor systems



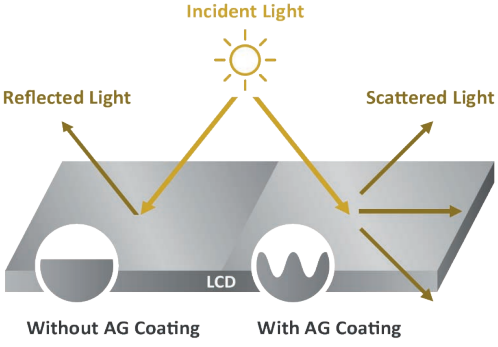
Overview

The CV-212 is a 12.1-inch slim-bezel industrial display module designed for integration into modular HMI solutions. Its WXGA screen combines projected capacitive touch, anti-glare coating and wet touch tracking for reliable operation in demanding indoor environments. Featuring wide viewing angles, an IP66-compliant front panel and a long-life LED backlight, it provides dependable performance for industrial applications. Cincoze CDS technology enables flexible configuration with compatible computing or monitor modules, simplifying maintenance and future upgrades.

Certifications

IP66





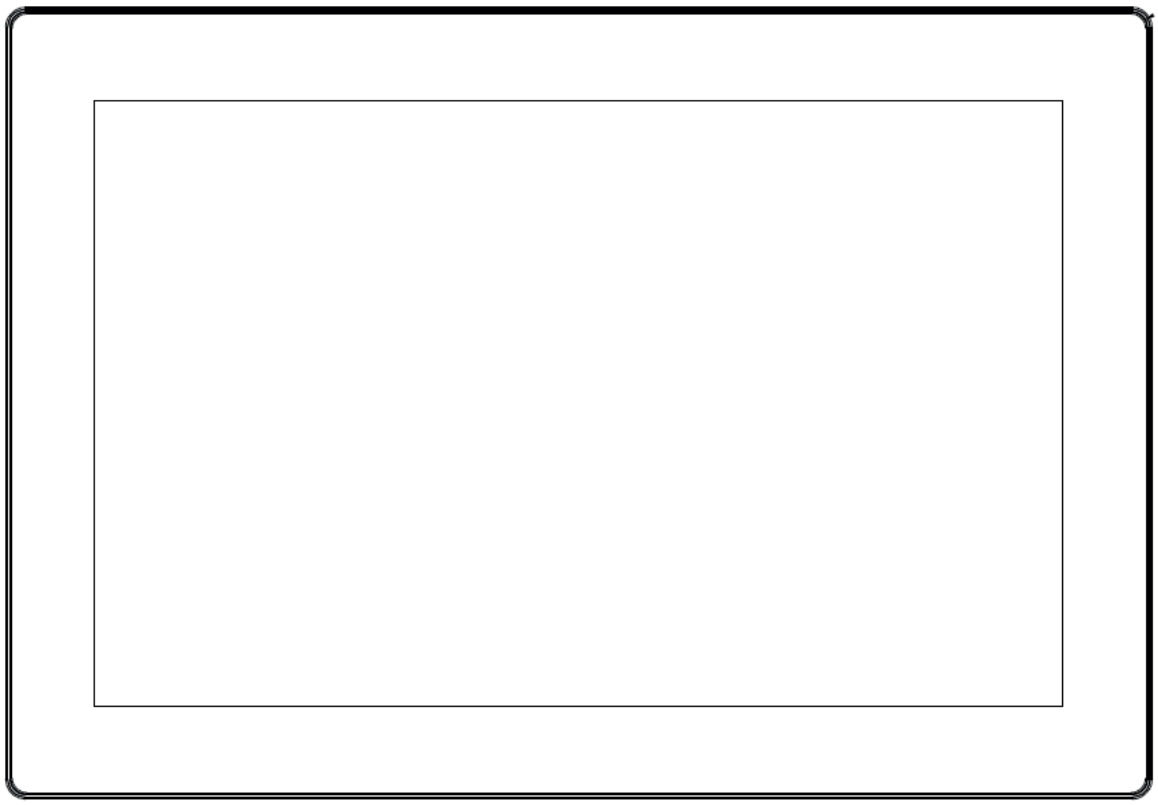
Specifications

Model Name	CV-212C
Display	
LCD Size	▪ 12.1" (16:10)
Max. Resolution	▪ 1280x800
Brightness (cd/m2)	▪ 400
Contrast Ratio	▪ 1000 : 1
LCD Color	▪ 16.2M
Pixel Pitch (mm)	▪ 0.204 (H) x 0.204 (V)
Viewing Angle (H-V)	▪ 178 / 178
Backlight LED Life Time	▪ 50,000 hrs (LED Backlight)
Touch Screen	
Touch Type	▪ Projected Capacitive
Anti-Glare	▪ V
Wet Touch Tracking	▪ V
Physical	
Dimension (W x D x H)	▪ 309.3 x 213.7 x 63.4 mm
Weight Information	▪ 2.13 kg
Mechanical Construction	▪ Die-Casting Flat Surface
Power	
Power Consumption	▪ 7.45 W (Typ.)
Environment	
Front Panel Protection	▪ IP 66 Compliant
Operating Temperature	▪ -20°C - 70°C (-4°F to 158°F) - With Industrial Grade peripherals; Ambient with air flow
Storage Temperature	▪ -30°C - 85°C (-22°F to 185°F)
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
Industrial Environment	▪ EMC: - EN/BS/IEC 61000-6-4: 2019 Class A - EN/BS/IEC 61000-6-2: 2019

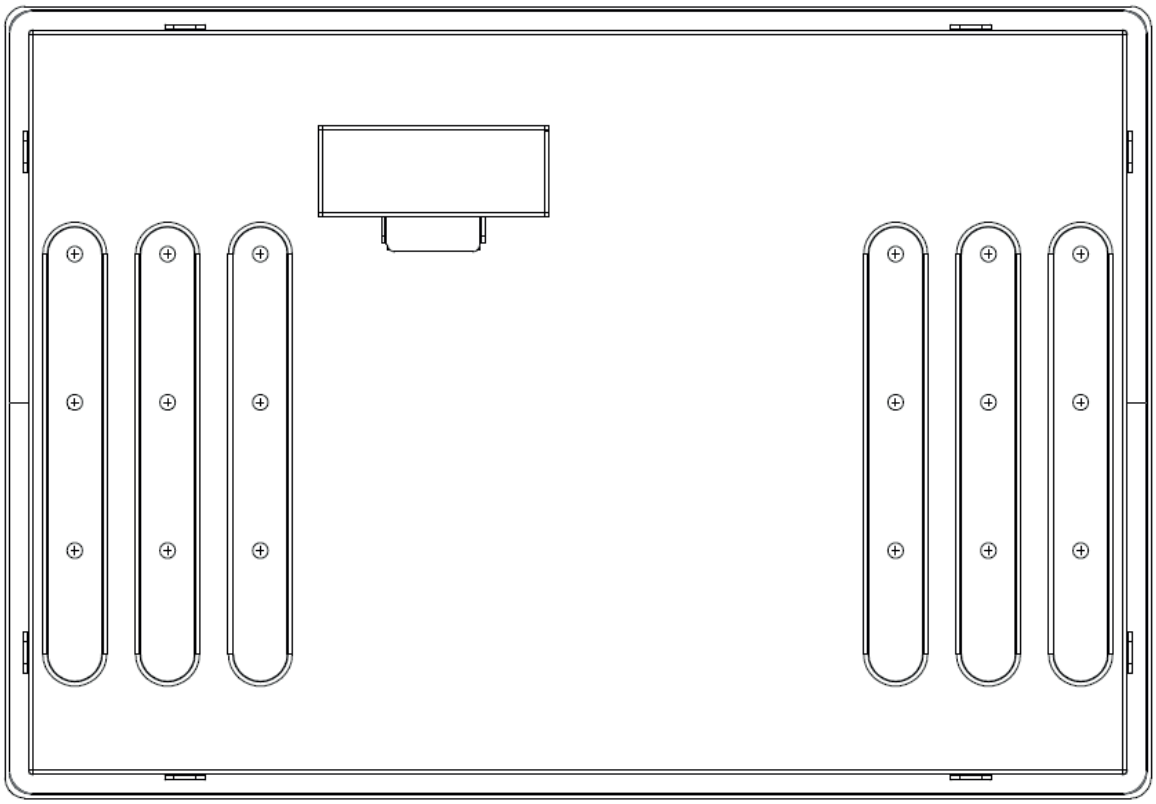
Railway	▪ EMC: EN 50155: 2021 Clause 4.4.6, 13.4.9 (w/ M1101 only) - EN 50121-1 : 2017 - EN 50121-3-2: 2016 + A1: 2019

External Layout

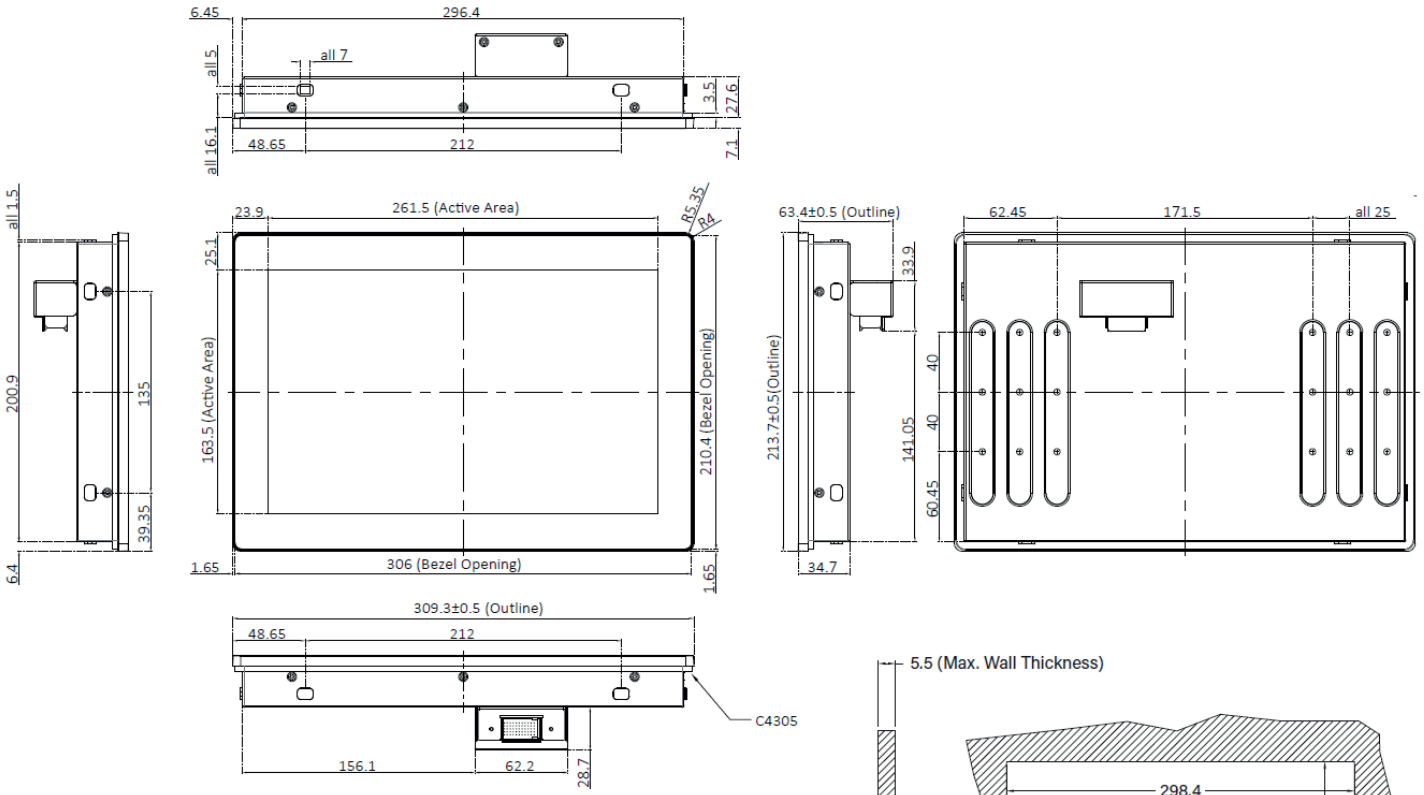
Front



Rear



Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-212C-R10	12.1" TFT WXGA 16:10 Slim Bezel Display Module with Projected Capacitive Touch & AG Coating

Package Checklist

- CV-212C Display Module x 1
- Panel Mounting Kit x 10

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