cincoze™

CV-221C

21.5” Rugged Industrial Display Module

Key Benefits

- **21.5” Full HD Display** with 1920 × 1080 resolution, 300 cd/m² brightness and 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 flexible industrial panel PC and touch monitor configurations



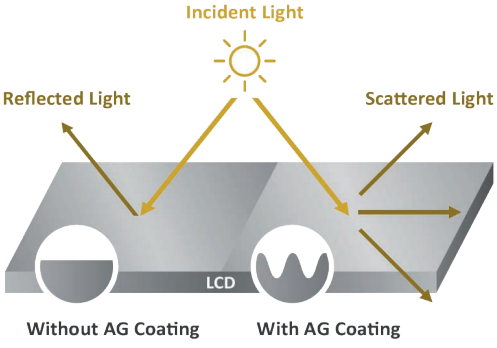
Overview

The CV-221C is a 21.5-inch slim-bezel industrial display module designed for HMI and process visualisation applications. Its Full HD touchscreen combines projected capacitive technology, anti-glare coating and wet touch tracking for operation in demanding indoor environments. A die-cast front panel provides IP66 protection, while wide viewing angles and a 50,000-hour LED backlight support long-term use. Cincoze Convertible Display System (CDS) technology enables integration with compatible computing or monitor modules for flexible configuration and simplified maintenance.

Certifications

IP66





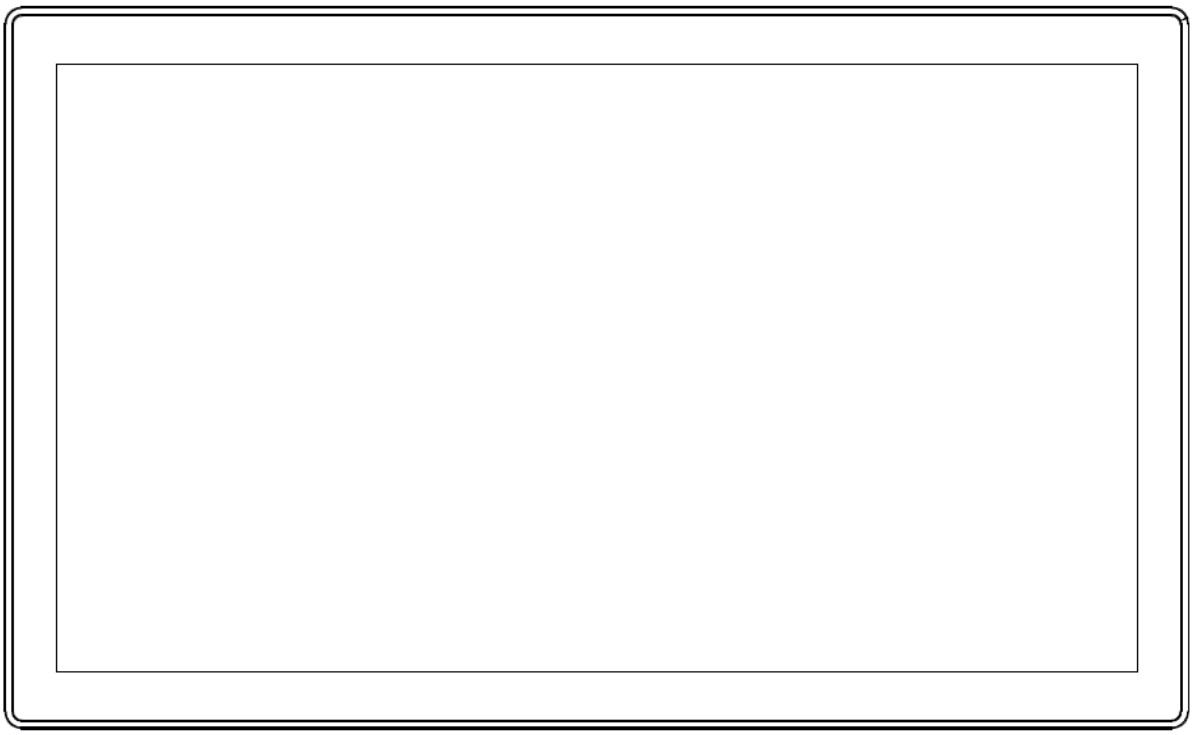
Specifications

Model Name	CV-221C
Display	
LCD Size	▪ 21.5" (16:9)
Max. Resolution	▪ 1920x1080
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 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)	▪ 522.4 x 318.3 x 63.4 mm
Weight Information	▪ 5.28 kg
Mechanical Construction	▪ Die-Casting Flat Surface
Power	
Power Consumption	▪ 24.8 W (Max.)
Environment	
Front Panel Protection	▪ IP 66 Compliant
Operating Temperature	▪ 0°C - 60°C (32°F to 140°F) - With Industrial Grade peripherals; Ambient with air flow
Storage Temperature	▪ -20°C - 60°C (-4°F to 140°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 50121-3-2 Conducted & Radiated: Class A ▪ EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A ▪ EN/BS EN 61000-3-3 Voltage fluctuations & flicker ▪ FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A
EMS	▪ EN/IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV ▪ EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 20 V/m ▪ EN/IEC 61000-4-4 EFT: AC Power: 2 kV; DC Power: 1 kV; Signal: 2 kV ▪ EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV ▪ EN/IEC 61000-4-6 CS: 10V (**Compliant with the standard when utilizing shielded cable.) ▪ EN/IEC 61000-4-8 PFMF: 50/60 Hz, 30A/m ▪ EN/IEC 61000-4-11 (50/60 Hz): Voltage dips duration up to 25/30 cycles; interruptions up to 250/300 cycles.
Industrial Environment	▪ EMC: - EN/BS/IEC 61000-6-4: 2019 Class A - EN/BS/IEC 61000-6-2: 2019

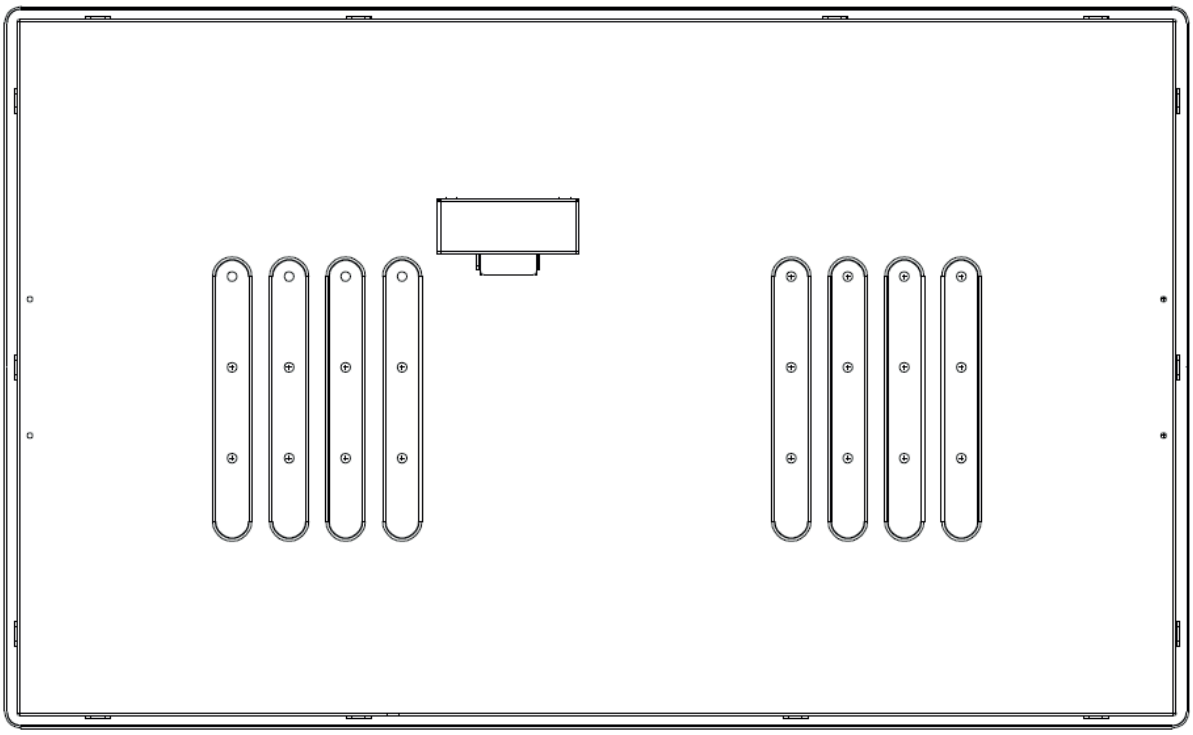
Railway	▪ EMC: EN 50155: 2021 Clause 4.4.6, 13.4.9 (w/ M1101 only) - EN 50121-1 : 2017 - EN 50121-3-2: 2016 + A1: 2019

External Layout

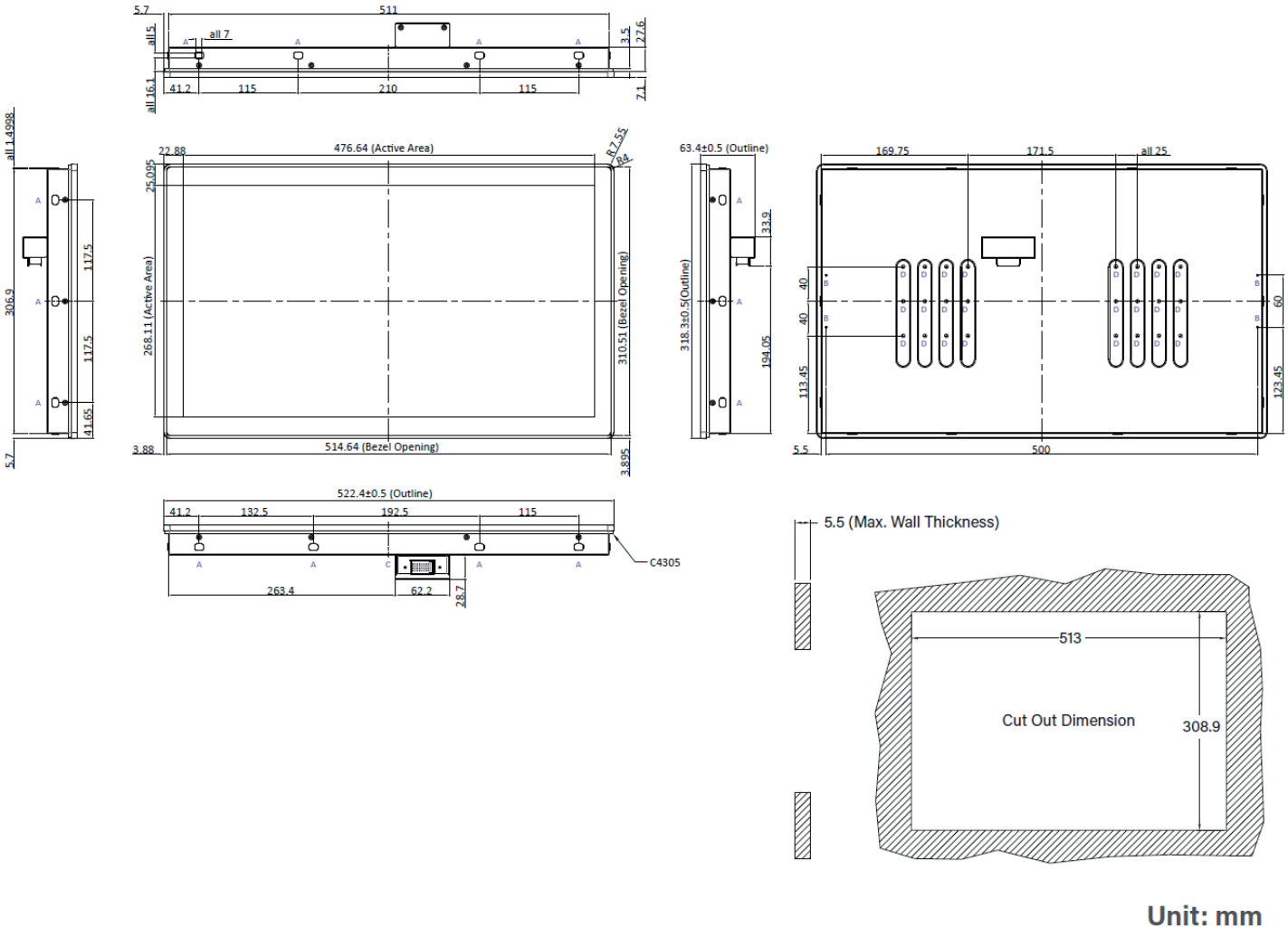
Front



Rear



Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-221C-R10	21.5" TFT Full HD 16:9 Slim Bezel Display Module with Projected Capacitive Touch & AG Coating

Package Checklist

- CV-221C Display Module x 1
- Panel Mounting Kit x 14

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