W55L100-MRA1FP

55" 4K UHD Marine Display

KEY FEATURES

- 55" 3840 x 2160 resolution with projective capacitive multi-touch screen
- Fanless cooling system
- OSD Key For quick mode changing between ECDIS DAY, DUSK, and NIGHT mode
- 9~36 V DC to DC power input acceptable (Isolation Resistance)
- Meet the requirements of industrial marine standards, compatible with IEC60945 4th Edition, DNVGLCG0339, IACS E10
- Color calibrated for ECDIS compliance (Optional)

CE FC

OVERVIEW

High Quality 4K UHD (3840 x 2160) Display

Winmate’s 4K UHD Marine Display feature a brilliant screen with a resolution of 3840 x 2160 pixels, aiming to reduce errors and enhance operational efficiency. The exceptional image quality, sharpness, and clarity ensure that every detail on the screen is now presented with unprecedented precision. This resolution represents approximately four times the resolution of Full HD.

Seaworthy Reliability Certified

Winmate ensures the reliability of Marine 4K Displays by adhering to the DNVGL-CG-0339 Standard, IEC60945, and IACS-E10. Rigorous in-house reliability tests ensure optimal performance even in challenging maritime conditions.

Streamlined Control with a User-Friendly Interface

To enhance operator convenience in industrial environments, Winmate’s Marine Display Series optimizes the 6 key OSD button, providing seamless access to DAY/DUSK/Night Mode. This enhancement ensures straightforward operation, eliminating complexity and providing swift access to the central control located on the front panel.

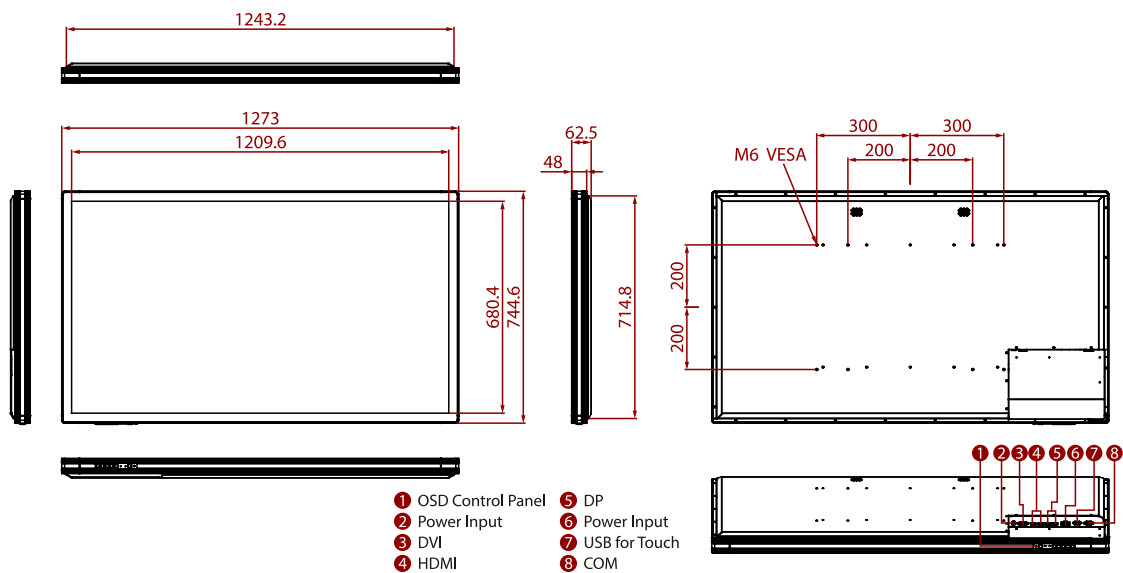### Sailing the Chromatic Seas with ECDIS Color Accuracy

Winmate ensures precise color reproduction by calibrating color settings according to the IEC 61174 ECDIS Standard during the manufacturing process. This meticulous calibration guarantees accurate portrayal of colors.

SPECIFICATIONS

Display			
Resolution	3840x2160	Size	55.0 inches
Contrast Ratio	4000:1	Panel Brightness	500.0 nits
Display Color	1.07B Colors	View Angles	89,89,89,89
Active Area	1209.6x680.4 mm	Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) AR Glass (Optional)

Environment			
Operating Humidity	5% to 95%	Operating Temperature	-15~55°C
Shock	15G,11ms duration	Vibration	0.7g@DNVGL CG-0339 (Class A)
IP rating	IP66 (Front Side)		

Certification

Certification	CE, FCC		

IO Ports

USB Port	1 x USB for Touch Screen	Serial Port	1 x RS232 for remote control
Video	1 x VGA 1 x DVI-D 1 x HDMI 1.4 1 x HDMI 2.0 1 x DP	Buzzer	75 dB~80 dB, 2300 Hz, 1m

Mechanical

Dimension	1273 x 744.6 x 62.5 mm	Weight	24 kg
Mounting	VESA mount	Enclosure	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design		

Power

Power Rating	100~240V AC-in		

Accessory

Accessory	User Manual AC to DC Adapter Power Cord 3 Pin Terminal Block 1 x VGA cable 1 x DVI cable 1 x DP cable 2 x HDMI cable 1 x RS232 cable 1 x USB cable		

DIMENSIONS UNIT:MM

1243.2

1273
1209.6

62.5
48

680.4
744.6

714.8

M6 VESA
300 300
200 200
200
200

❶ OSD Control Panel ❺ DP
❷ Power Input ❻ Power Input
❸ DVI ❼ USB for Touch
❹ HDMI ❽ COM

NOTE

1.This is a simplified drawing and some components are not marked in detail.
2.Please contact our sales representative if you need further product information.
3.All specifications are subject to change without prior notice.
4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.