MM24HD MarineMaster Display



KEY FEATURES

- 24” 1920 x 1080 resolution with projective capacitive multi-touch screen, ECDIS Marine Display
- Edge-to-edge narrow bezel design and fanless cooling system
- Color calibrated for ECDIS compliance (Optional)
- Capacitive touch keys for quick function access and display control (Support ECDIS DAY, DUSK, and NIGHT mode switching)
- Meet the requirements of industrial marine standards, including IEC60945 4th Edition, DNVGL-CG-0339, IACS E10

OVERVIEW



Reliable Computing Certified for Marine Applications

Milrack ECDIS Marine Displays are built and tested according to DNVGLCG0339
Standard, IEC60945, and IACSE10 to meet the marine industry is international regulatory requirements. Milrack performs inhouse reliability test to ensure optimal performance in harsh
maritime environments.



ECDIS Reliability for the Real Marine Colors Representation

On Milrack ECDIS Marine Displays, users can adjust to a day, dusk, or night mode through the capacitive touch key to accommodate any lighting situation. Milrack calibrates color settings at the factory for accurate color reproduction according to the IEC 61174 ECDIS Standard.



Sleek Design for Modern Bridge Workstations

Easy to maintain and clean. The glass cover lens provides excellent protection from scratch and reduces the gap for a possible accumulation of dust and liquid. The trueflat surface also gives a slim and elegant appearance to the device goes beyond that of the standard industrial, marine computers with a sleek and edge to edge design, rugged construction, powerful performance, and flexible mounting options.



Ultimate Touch Experience

Enhance customer experience with PCAP touch that supports multitouch
and can easily be controlled by fingers. Enjoy every touch and
convenience when using the ECDIS Marine Displays, and experience the ultimate durability in some of the most demanding applications, such
as bridge navigation and control.



VideoInput Options

Video input consists of DVID, HDMI, and VGA connectors. Use the RS232 port for remote control and a USB connector for touch..

SPECIFICATIONS

Display			
Resolution	1920x1080	**Size**	24.0 inches
Contrast Ratio	5000:1	**Panel Brightness**	300.0 nits

Display Color	16.7M Colors	**View Angles**	89,89,89,89
Active Area	531.36x298.89 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 DNVGL-CG-0339, IEC60945 4th, IACS E10

IO Ports

USB Port	1 x USB Type A	**Serial Port**	1 x RS232 for remote control
Video	1 x VGA 1 x DVI-D 1 x HDMI 1.4	**Front Control**	Power Brightness+ Brightness- OSD/ Enter ECDIS Key/ ESC
Indicator	Day Mode Dusk Mode Night Mode	**Buzzer**	75 dB~80 dB, 2300 Hz, 1m

Mechanical

Dimension	595 x 385 x 63.8 mm	**Weight**	10.3 kg
Mounting	VESA Mount/ Panel Mount	**Enclosure**	Anodized Aluminum Bezel
Cooling System	Fanless Design	**Cut out**	570 x 360 mm

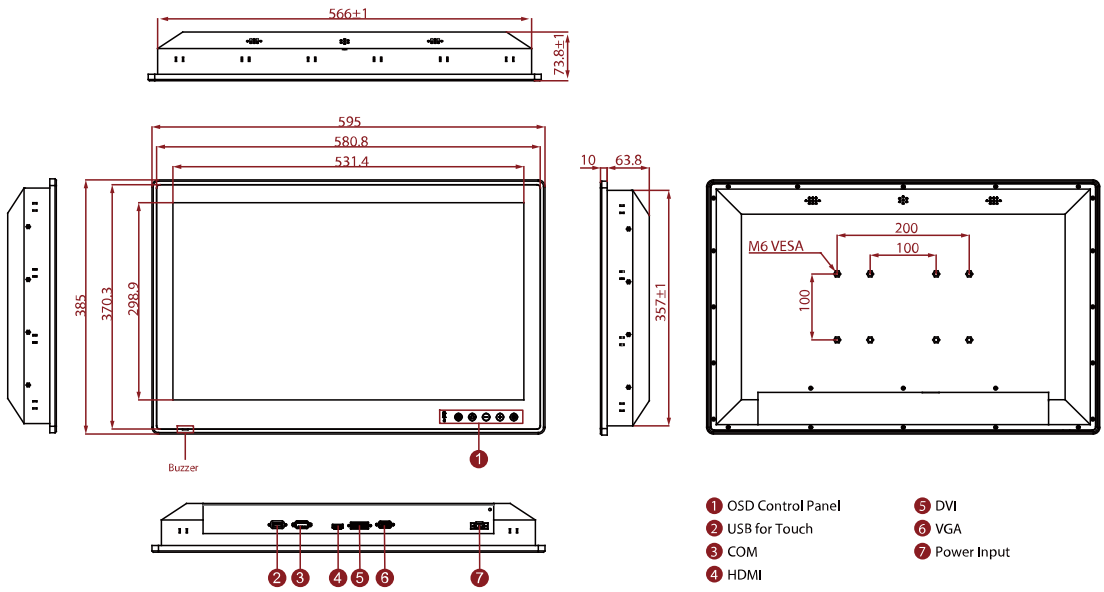
Power

Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	**Consumption**	45W (Typical)

Accessory

Accessory	User Manual Mounting clips x 12 AC to 12V DC Adapter Power Cord 3 Pin Terminal Block Open Wire Cable 1 x VGA cable 1 x DVI cable 1 x HDMI cable 1 x RS232 cable 1 x USB cable

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Only 24 V DC has been approved by the DNVGL certification.
3. Please contact our sales representative if you need further product information.
4. All specifications are subject to change without prior notice.
5. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O,