W24L100-MRA1FP

24" ECDIS Marine 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











SPECIFICATIONS

Display

Resolution 1920x1080 Size 24 inches Contrast Ratio 5000:1 Panel Brightness 300 nits Display Color 16.7M Colors View Angles 89,89,89,89,89.89 Active Area 531.36x298.89 mm Touch / Glass Projected Capacitive Multi Touch Silling Flim (Optional) AG film (Optional) AR Glass (Optional) Environment Operating Humidity 5% to 95% Operating Temperature Temperature -15-55°C Temperature Temperature Shock 15G,11ms duration Vibration 0.7g@DNVGL CG-0339 (Class A) IP rating IP66 (Front Side) Vibration 1.7g@DNVGL CG-0339 (Class A) Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC Vibration 1 x RS232 for remote control Video 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 Englishess- OSD/ Enter ECDIS Keyl ESC Indicator Day Mode Dusk Mode Night Mode Mounting VESA Mount/ Panel Mount Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount <t< th=""><th></th><th></th><th></th><th></th></t<>				
Display Color 16.7M Colors View Angles 89,89,89,89 Active Area 531.36x298.89 mm Touch / Glass Projected Capacitive Multi Touch Sellim Ard film (Optional) AR Glass (Optional) Environment	Resolution	1920x1080	Size	24 inches
Active Area 531.36x298.89 mm Touch / Glass Projected Capacitive Multi Touch S Film (Optional) AR Glass (Optional) Environment Operating Humidity 5% to 95% Operating Temperature Vibration 0.7g@DNVGL CG-0339 (Class A) IP rating IP66 (Front Side) Certification Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC IO Ports USB Port 1 x USB Type A Serial Port 1 x RS232 for remote control Video 1 x VO/A Front Control Power ECDIS Key/ ESC Indicator Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Enclosure Anodized Aluminum Bezel Cooling System Fanless Design Cut out 570 x 360 mm Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Contrast Ratio	5000:1	Panel Brightness	300 nits
Environment Operating Humidity 5% to 95% Operating Temperature Shock 15G,11ms duration Vibration 0.7g@DNVGL CG-0339 (Class A) IP rating IP66 (Front Side) Certification Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC 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- OSD/ Enter ECDIS Key/ ESC Indicator Day Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Panel Mount Panel Mount Fenciosure Anodized Aluminum Bezel Cooling System Fanless Design Cut out 570 x 360 mm Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Display Color	16.7M Colors	View Angles	89,89,89,89
Operating Humidity 5% to 95% Cperating Temperature 15~55°C Shock 15G,11ms duration Vibration 0.7g@DNVGL CG-0339 (Class A) IP rating IP66 (Front Side) Certification Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC IO Ports USB Port 1 x USB Type A Serial Port 1 x RS232 for remote control 1 x DVI-D 1 x HDMI 1.4 Power Brightness-OSD/ Enter ECDIS Key/ ESC Indicator Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Enclosure Anodized Aluminum Bezel Cooling System Fanless Design Cut out 570 x 360 mm Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Active Area	531.36x298.89 mm	Touch / Glass	AG film (Optional)
Shock 15G,11ms duration Vibration 0.7g@DNVGL CG-0339 (Class A) IP rating IP66 (Front Side) Certification Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC IO Ports USB Port 1x USB Type A Serial Port 1x RS232 for remote control 1 x VGA 1x DVI-D 1x HDMI 1.4 Video Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Enclosure Anodized Aluminum Bezel Cooling System Fanless Design Cut out 570 x 360 mm Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Environment			
Prating	Operating Humidity	5% to 95%		-15~55°C
Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC IO Ports USB Port 1 x USB Type A Serial Port 1 x RS232 for remote control Video 1 x VGA Pront Control Power Brightness+ Brightness- OSD/ Enter ECDIS Key/ ESC Indicator Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Enclosure Anodized Aluminum Bezel Cooling System Fanless Design Cut out 570 x 360 mm Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Shock	15G,11ms duration	Vibration	0.7g@DNVGL CG-0339 (Class A)
Certification DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC IO Ports USB Port 1 x USB Type A Serial Port 1 x RS232 for remote control 1 x DVI-D 1 x HDMI 1.4 Power ECDIS Key/ ESC Indicator Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Enclosure Anodized Aluminum Bezel Cooling System Fanless Design Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	IP rating	IP66 (Front Side)		
IO Ports USB Port 1 x USB Type A Serial Port 1 x RS232 for remote control Video 1 x VGA Front Control Power Serightness+ Brightness+ Brightness- OSD/ Enter ECDIS Key/ ESC Indicator Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Panel Mount Panel Mount Foot out out 570 x 360 mm Power Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Certification			
USB Port 1 x USB Type A Serial Port 1 x RS232 for remote control Video 1 x VGA	Certification			
Video 1 x VGA 1 x DVI-D 1 x HDMI 1.4 Print Control Power Brightness+ Brightness- OSD/ Enter ECDIS Key/ ESC Indicator Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Panel Mount Panel Mount Panel Mount Factory Fanless Design Cut out 570 x 360 mm Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	IO Ports			
1 x DVI-D 1 x HDMI 1.4 Day Mode Dusk Mode Night Mode Mechanical Dimension 595 x 385 x 63.8 mm Mounting VESA Mount/ Panel Mount Enclosure Anodized Aluminum Bezel Cut out 570 x 360 mm Power Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption Brightness+ Brightness+ Brightness+ Brightness+ Brightness+ Brightness+ Brightness+ Brightness+ Brightness- OSD/ Enter ECDIS Key/ ESC VESA Mount/ Panel Mount Fanless Design 45W (Typical)	USB Port	1 x USB Type A	Serial Port	1 x RS232 for remote control
Mechanical Dimension 595 x 385 x 63.8 mm 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) Consumption 45W (Typical)	Video	1 x DVI-D	Front Control	Brightness+ Brightness- OSD/ Enter
Dimension595 x 385 x 63.8 mmMountingVESA Mount/ Panel MountEnclosureAnodized Aluminum BezelCooling SystemFanless DesignCut out570 x 360 mmPowerPower Rating24V DC-in with Isolation (Approval by Certificate)Consumption45W (Typical)	Indicator	Dusk Mode		
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) Consumption 45W (Typical)	Mechanical			
Cut out 570 x 360 mm Power Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Dimension	595 x 385 x 63.8 mm	Mounting	VESA Mount/ Panel Mount
Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Enclosure	Anodized Aluminum Bezel	Cooling System	Fanless Design
Power Rating 24V DC-in with Isolation (Approval by Certificate) Consumption 45W (Typical)	Cut out	570 x 360 mm		
	Power			
	Power Rating		Consumption	45W (Typical)

Accessory

Accessory

User Manual

Quick Start Guide (Hardcopy) M4 x 12 Black Screw Bolts

AC to DC Adapter

Power Cord

3 Pin Terminal Block

1 x VGA cable

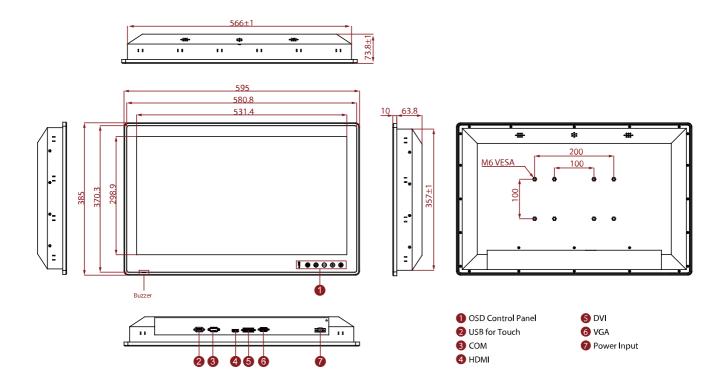
1 x DVI cable

1 x HDMI cable

1 x RS232 cable

DIMENSIONS

UNIT:MM



Optional Accessory 1 x USB cable

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, please contact the Winmate Sales Team for more information.