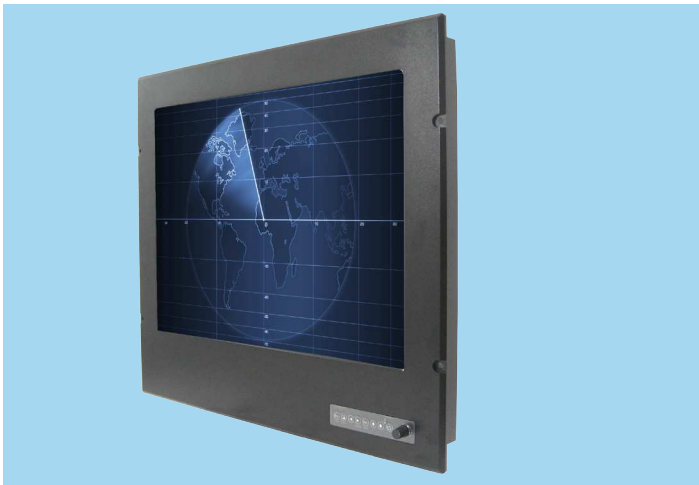


MR23L100-S1-5RT

23.1", 1600 x 1200 UXGA, Marine Monitor with Five-Wire Resistive Touchscreen, VGA and DVI Ports



Introduction

AIS 23.1" marine grade monitors comply with marine equipment standards IEC 60945, DNV 2.4, and IACS-E10 (international standard for maritime navigation and radio communications equipment and systems) for harsh maritime environment requiring low EMI or long-term vibration resilience. Designed for bridge control display, navigation, monitoring and surveillance, and ship automation applications; AIS displays comply with anti-shock, anti-vibration, and can be customized to include options i.e. sunlight readable transfective LCD displays and 3mm anti-reflective protection glass.

Specifications

Display	
Display	23.1" diagonal, Active matrix TFT LCD Optional features: 3mm Anti-reflective Protection Glass or/and Transfective Liquid Crystal Display
Aspect Ratio	16:9 (Widescreen)
Active/Area	470.4 (H) × 352.8 (V) mm
Native (Optimal) Resolution	1600 x 1200
General Supported Resolution	VGA 640 x 480 (60/66/70/72/75 Hz) SVGA 800 x 600 (60/70/72/75 Hz) XGA 1024 x 768 (60/70/75 Hz) SXGA 1280 x 1024 (60/70/75 Hz) UXGA 1600 x 1200 (60 Hz)
Colors	16.7M (8bits/color)
Brightness (Typical)	LCD Panel: 500 nits Resistive Touch: 400 nits
Contrast Ratio	600:1
Viewing Angle	Horizontal: 170° Total Vertical: 170° Total

Features and Benefits

- Rugged aluminum alloy construction with powder coating ensures stability
- Optional Transfective LCD meets sunlight readability requirements for navigation and transportation systems
- Complies with Marine/DNV standards IEC 60945, DNV 2.4, and IACS-E10
- Multiple mounting options, i.e. panel and VESA mounts
- Technical support for drivers (installing, and supporting files), and hardware (screens, monitors, controllers, peripherals), including troubleshooting procedures and general system issues
- Customer service and sales support help with product selection, order management, and warranty status

On-Screen Display (OSD)	Controls (back): menu, up, down, select, power Settings: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall
Input Video Signal Connector	S-Video (SVHS) Plug
Touch Technology	Resistive (USB (Type-B): Touch Interface)
General	
Power Consumption (Typical)	80W
Input Voltage	AC: 100–240 VAC, 50/60 Hz DC: 24 V±10%
MTBF	50,000 Hours Demonstrated
Mounting Options	100 mm VESA mount
Environmental Conditions	
Temperature	Operating: -10°C to 55°C (-14°F to 131°F) Storage: -20°C to 60°C (-4°F to 140°F)
Humidity (Non-condensing)	Operating: 5%-95% Storage: 5%-95%
Approvals	
Approvals	CE, FCC (DOC)

Order Information

MR23L100-S1-5RT: 23.1" Marine Monitor with Five-Wire Resistive Touchscreen, 1600 x 1200 UXGA, 600:1 contrast ratio, VGA and DVI Ports

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Dimensions

Unit: mm

