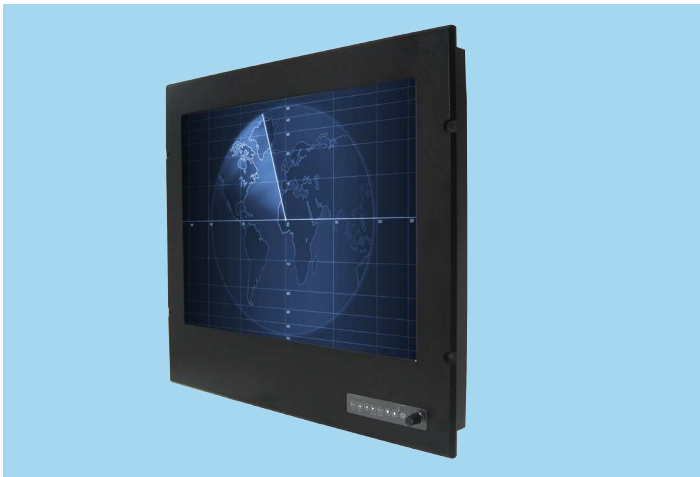


DNVMR23L100-S1-SAW

23.1" color TFT, 1600 x 1200 UXGA, COTS Rugged Marine Display Monitors Compliant with IEC 60945, DNV 2.4, and IACS-E10 Standards



Introduction

AIS 23" COTS rugged Marine display monitors are specifically designed to operate and withstand the maritime environment; and suitable for bridge control display, navigation, monitoring and ship automation applications. These Marine grade displays comply with Marine equipment standards to meet the demands of IEC 60945, DNV 2.4, and IACS-E10, needed to withstand the harsh maritime environment requiring low EMI or long-term vibration resilience. These rugged Marine monitors protect against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion.

Specifications

Display	
Display	23" diagonal, Active matrix TFT LCD Optional features: 3mm Anti-reflective Protection Glass Transflective Liquid Crystal Display
Aspect Ratio	4:3
Active/Area	470.4 (H) x 352.8 (V) mm
Native (Optimal) Resolution	1600 x 1200
Colors	16.7M (8 bits + FRC)
Brightness (Typical)	LCD Panel: 500 nits SAW Touch: 400 nits
Contrast Ratio	600:1
Viewing Angle	Horizontal: 170° Total Vertical: 170° Total
Touch Technology	Resistive (RS232: Touch Interface)
Composite Video	RCA Phono Plug
S-Video Signal	S-Video (SVHS) Plug
DVI-D Signal	DVI-D

Features and Benefits

- Maritime Environment Standard: Tested to DNV standard methodology for a range of extreme conditions including temperature, humidity, vibration, EMC compatibility and enclosures.
- Environmental ratings for enclosures based on NEMA 4, 4X, IP65, IP67 type designations: To provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion.

Environmental Conditions	
Temperature	Operating: -10°C to 55°C (14°F to 131°F) (-20°C to 60°C with optional heating)
Humidity (Non-condensing)	5% to 95%
Ingress Protection	NEMA4 IP65 IEC 60529
Vibration Protection	5Hz~500Hz / 1Grms / 3 Axis
Shock Protection	15G,11ms duration
Dimension (W x H x D)	534 x 485 x 82 mm
General	
MTBF	50,000 Hours Demonstrated
Mounting Options	100 x 100 mm VESA Mount Optional feature: One robust mounting bracket with locking handle
Approvals	
Approvals	CE, FCC (DOC), DNV standards IEC 60945, DNV 2.4, and IACS-E10

Order Information

DNVMR23L100-S1-SAW: 23" COTS Rugged Marine Display Monitors Compliant with IEC 60945, DNV 2.4, and IACS-E10 Standards, 1600 x 1200 UXGA, 600:1 contrast ratio

Unit: mm

