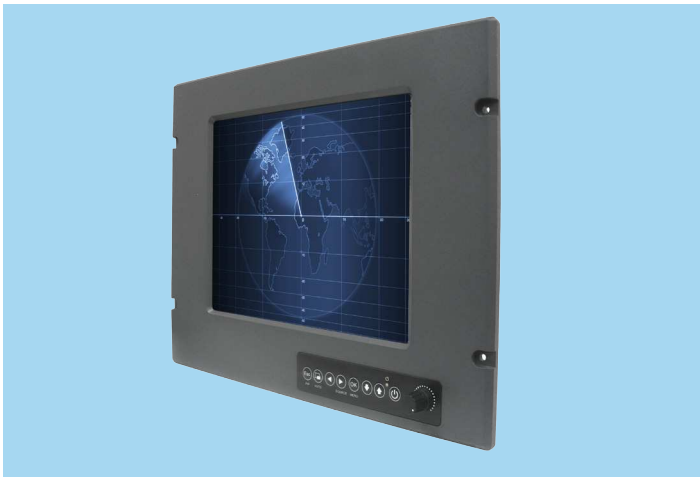


DNVMR10L100-M2-4RT

10.4" color TFT, 800 x 600 SVGA, COTS Rugged Marine Display Monitors Compliant with IEC 60945, DNV 2.4, and IACS-E10 Standards



Introduction

AIS 10.4" 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	10.4" diagonal, Active matrix TFT LCD Optional features: 3mm Anti-reflective Protection Glass Transflective Liquid Crystal Display
Aspect Ratio	4:3
Active/Area	211.2 (H) x 158.4 (V) mm
Native (Optimal) Resolution	800 x 600 SVGA
Colors	16.7M (8 bits + FRC)
Brightness (Typical)	LCD Panel: 400 nits Resistive Touch: 320 nits
Contrast Ratio	500:1
Viewing Angle	Horizontal: 140° Total Vertical: 110° 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)	339 x 256 x 72 mm
Weight	1.3 kg
General	
MTBF	50,000 Hours Demonstrated
Mounting Options	75 x 75 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

DNVMR10L100-M2-4RT: 10.4" COTS Rugged Marine Display Monitors Compliant with IEC 60945, DNV 2.4, and IACS-E10 Standards, 800 x 480 SVGA, 500:1 contrast ratio

DNVMR10L100-M2-4RT

Dimensions

Unit: mm

