

Marine Approved, High Quality, Rugged Metal Construction Display

KME have developed a high resolution TFT panel which is designed to withstand the maritime environment. The displays are IP sealed to withstand shock and vibration and are designed to comply with marine approved standards. The popular rack front monitor has a rugged milled aluminum rack front, available options include a stand bracket for the monitor to be mounted either to the wall, desk or ceiling.

Designed with ECDIS and Radar in mind, the range specifically meets the stringent demands of Shock, Vibration, EMC and EMI defined in the IEC 60945 International Standard for Maritime Navigation and Radio communications Equipment & Systems.

To aid installation, flexible mounting combinations include 100mm VESA standard fixings at the rear, and a separate mounting bracket for Control Desk or Overhead positioning. The 'Marinised' TFT Monitor is manufactured in full compliance with IACS E10.

The use of high quality components, robust and lightweight casing, anti - glare safety glass, transfective enhancements and touchscreen capability makes KME's monitors ideal for demanding applications.

Features

- The front is sealed to IP65 rating for water and dust resistance
- Advanced Deep Dimming 2000:1 - KME has developed a deep dimming solution for the marine range which provides smooth consistent dimming to 2000:1 (dim to black is available on request)
- Optional Touchscreen Integration - KME can offer a variety of touchscreen solutions for the marine range with either serial or usb interface
- Certified & Approved - The marine range is designed to comply with EN 60945 and EN 60950. In the case of the 17" and 19" monitors some are already certified and approved to these standards
- Array of mounting options - Mounting options include head, chassis, desktop, handheld, panel mount and rack mounted displays
- Inputs: All monitors have VGA (multiscanning), DVI and PAL. Power 15 - 30V DC. AC option available

21" LCD Marine Rackmount Monitor 29LR213D35MP



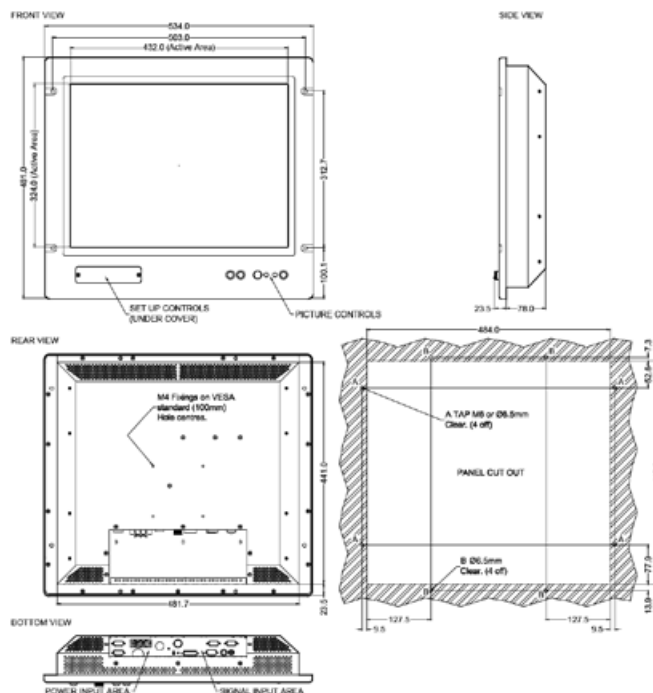
Specifications: see next page

Specifications		
TFT Characteristics	Type Max. Resolution Active Display Area Response time Contrast Ratio* Brightness* Viewing angles (at CR>10) Backlight life Nr. of colours	21.3" a-Si AM TFT 1600 x 1200 pixels 432 x 324 mm 16ms 550:1 typical 300 cd/m ² typical 170°H, 170°V 50,000 hrs typical 16.7 million
Video Signal	RGB 0.7-1.0Vp-p	
Composite Video Inputs	PAL/NTSC & SECAM with 'Picture In Picture' (PIP) facility	
Signal Sync	Separate H & V (=ve) TTL	or Composite (-ve) TTL or Sync - on - Green (-ve) 0.3V
Synchronisation Range	Horizontal scan Vertical scan	31-75kHz 60 to 75Hz
Display modes	VESA support	640 x 480 VGA, 800 x 600 SVGA 1024 x 768 XGA, 1280 x 1024 SXGA 1600 x 1200 UXGA (recommended)
Power supply / cons.	15 - 30V DC 50-60 Hz / 65W (Max)	
Environmental	**Operating Temp Storage Temp Operating Humidity Storage Humidity Shock Vibration	-15 to +55 °C (IEC 60945 tests) -20 to +60 °C 30% to 90% (non condensing) 10% to 90% (non condensing) 10g, 11msec ½ sine +/-1mm, 2 to 13Hz: 0.7g, 13 to 100Hz
Dimensions	Monitor	534(w) x 481(h) x 82(d)mm
	Weight	13 kg
Input Connectors	VGA 15 - WAY D, DVI, PAL / BNC, S-VIDEO	
Sealing	Front Panel IP65	Housing: Aluminium
User controls	Front mounted	
Approvals	ECDIS & Radar Compliance EMC & Safety Marine Communications	IEC 61174 EN 60950 IEC 60945
Part numbers		
Model	29LR213D35MP/5	
Ancillaries	Resistive touchscreen RS232 Capacitive touchscreen RS232 with resistive touchscreen USB Stand bracket	29LR213DR35MP/5 29LR213DC35MP/5 29LR213DRU35MP/5 29ST0014LR-3

Specifications are subject to change without notice. The /x version behind the partnumber indicates the version number. This version number may vary because of a different TFT panel being used.

* Brightness and contrast refer to naked LCD panel.

**Quoted EN60945 test. We do not recommend routine operation at extreme temperatures



• Monitors

- Desktop Monitors
- Large screen Monitors
- Custom-made Monitors
- 19" Rack Mount Monitors
- Rear Mount Monitors
- Monitors for Panel Mount
- Monitors for VESA Mount
- Kiosks
- Accessories

• Monitors – Specific applications

- Stainless Steel Monitors
- Car Displays
- Marine Monitors
- Military Monitors
- Replacement Monitors
- Train Monitors

• Panel PC's

- High Performance Systems
- Custom made Panel PC's
- Low Power Systems
- Extreme environments

• Pointing devices

- Accessories
- Touchpads
- Trackballs
- Trackball Modules
- Joysticks
- Custom made Pointing Devices

• Keyboards

- Desktop Keyboards with or without pointer
- Built-in Keyboards with or without pointer
- Cables & Connectors
- Custom made Keyboards



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