



Marine Grade LCD Bridge Monitor
Daylight Viewable
IMO Type Approved

MPC-MI15

15" Marine Grade LCD Monitor

Suitable for Radar, Chart, Weather

Auxillary Inputs with P-in-P

The MPC-MI15 is a marine grade flat panel Active Matrix LCD Monitor designed for extremely rugged use where the front must be fully sealed from water, oil, dirt and other contaminants. The MPC-MI15 has a 15" diagonal display, designed specifically for use on the bridge. The front mounted manual dimming control adjusts the display brightness from max to super-dim for optimal operator viewing clarity and comfort in any lighting condition. The MPC-MI15 connects to any standard PC through the RGB output using any standard VGA cable. The monitor can also receive DVI-D video input from a high performance computer or other video sources. Composite video input is also available for camera or other NTSC/PAL signals. The native resolution is 1024x768, but the MPC-MI15 will auto-scale any 4:3 resolution to fit full screen. Picture-in-Picture capability is standard. An optional touch screen will operate perfectly even in the wettest conditions. The matte black aluminum case virtually eliminates any chance of corrosion for a very long service life. The standard anti-reflective protective glass eliminates internal and external reflections, making it ideal to use in enclosed bridge areas. Mounting is accomplished from the front directly on a console or frame. The front is rated IP65 and the rear is IP22. Common applications include primary display or repeater from a computer or server, chart plotter, blackbox radar or sounder or weather computer. Multiple functionality can be achieved by adding inputs from engine room, docking or common space cameras, as well as thermal and night vision cameras. The MPC-MI15 is IMO Type Approved by DNV, and is recognized by ABS and 9 other international IMO standards authorities. ECDIS Certification is now included.



Standard Features

- All-Aluminum Case Rated IP65 Front, IP22 Rear.
- 15" Color TFT AMLCD, AR Coated Protective Glass.
- XGA(1024x768) Native Resolution.
- 500 nit LED Brightness, 600:1 Contrast Ratio.
- Hi-Brite Option: 1,00 nits, 800:1 Contrast Ratio.
- Standard RGB Video from any Computer.
- DVI-D from Black Box Radar or other Computer.
- Composite Video Input from Camera System Option.
- P-in-P Standard, Remote control option.
- Flush Bezel for Console Mounting, or Optional VESA.
- Powered from 8 - 30 VDC or optional 120/240 VAC.
- Optional Waterproof Touchscreen.
- Power, DVI and VGA Cables Included.

WWW.MARINEPC.COM



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Specifications

<ul style="list-style-type: none"> ❑ Display ❑ Brightness ❑ Video Input ❑ Touchscreen (Optional) ❑ Cable ❑ Housing ❑ Mounting ❑ Weight ❑ Power (Max) ❑ Environmental ❑ Electrical ❑ MTBF ❑ Standards 	<p>15" Diagonal Active Matrix TFT LCD: XGA 1024x768 pixels, 500:1 Contrast Ratio, 16.7 Million Colors</p> <p>500 nits standard brightness, Dimmable 100:1 for Night time Operation, 1,000 nit Hi-Brite Option</p> <p>RGB 4:3 Video from Any Standard Computer, supports VGA, SVGA, XGA, SXGA, UXGA, Auto-Scaling to Full Screen DVI-D Input, Composite Video Input Option</p> <p>Analog Resistive, 2048x2048 Resolution, RS-232 or USB Connection to PC.</p> <p>Power - 6 Ft. (1.8m.) Sealed Cable, Flying Leads (DC only) Video - 6 Ft. (1.8m.) Shielded Cable, Standard Mini-DIN DB-15 M-M DVI-D - 6 ft. (1.8m.) Shielded Cable, Hi-Density DVI Connectors</p> <p>All Aluminum, Black Finish, IP65 Splashproof Front, IP22 Rear</p> <p>Flush Mount Bezel for Mounting in Panel or Frame. Optional VESA Mount.</p> <p>7.7 kg / 17 lbs.</p> <p>40 Watts</p> <table border="0"> <tr> <td>Operating</td> <td>Non-Operating</td> </tr> <tr> <td>Temperature (Air Ambient)</td> <td>-10°C to 55°C (14°F to 131°F)</td> </tr> <tr> <td>Relative Humidity</td> <td>-20°C to 70°C (-4°F to 158°F)</td> </tr> <tr> <td>Shock</td> <td>5% to 95%, non-condensing</td> </tr> <tr> <td></td> <td>15 G (half-sine for 11msec.)</td> </tr> <tr> <td>Vibration</td> <td>1.0 G (@ 5 - 500 Hz sine sweep, 3 - axis)</td> </tr> </table> <table border="0"> <tr> <td>Input</td> <td>8 - 30 VDC</td> <td>120/240 VAC</td> </tr> <tr> <td>Frequency</td> <td>DC Input</td> <td>45 - 75 Hz</td> </tr> </table> <p>20,000 Hrs.</p> <p>IEC60950, IEC61174, IMO MSC.86(70), CE, FCC Class B, Part 15, DNV Type Approved IACE-E10</p>	Operating	Non-Operating	Temperature (Air Ambient)	-10°C to 55°C (14°F to 131°F)	Relative Humidity	-20°C to 70°C (-4°F to 158°F)	Shock	5% to 95%, non-condensing		15 G (half-sine for 11msec.)	Vibration	1.0 G (@ 5 - 500 Hz sine sweep, 3 - axis)	Input	8 - 30 VDC	120/240 VAC	Frequency	DC Input	45 - 75 Hz
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