



Marine Grade LCD IMO Bridge Monitor
Slimline Aluminum Bezel
Sunlight Viewable LED Backlighting

MPC-SL21W

21.5"W Marine Grade LCD Monitor

High-Definition Resolution

LED Backlight Brighter, Dimmer

The MPC-SL21W 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-SL21W has a 21.5" diagonal display, designed for use anywhere onboard in a console or bulkhead, or it can also be VESA mounted. The front located manual dimming control adjusts the LED display brightness from max to super-dim for optimal operator viewing clarity and comfort in any lighting condition. The MPC-SL21W connects to any standard PC through the VGA output using any standard VGA cable. The monitor can also receive dual DVI-D video inputs from a high performance computer or other video sources. Triple composite video inputs are also available for camera or other NTSC/PAL signals. The native resolution is 1920x1080, but the MPC-SL21W will auto-scale any standard resolution to fit the screen. Picture-in-Picture capability is standard. An optional touch screen will operate perfectly even in the wettest conditions. The standard anti-reflective protective glass is bonded to the LCD, eliminating internal and external reflections and fogging. The attractive slim bezel and compact case allow mounting in very tight spaces. When properly mounted and sealed in place, the front is rated IP65. Common applications include primary display or repeater from a computer, 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-SL24W has been Certified by Bureau Veritas for use on IMO vessels requiring IEC60945 testing per IACS-E10. The MPC-SL21W meets IMO 250mm. radar display requirements.



Standard Features

- Slim All-Aluminum Front Bezel Rated IP65.
- Space Saving: 20.7" x 13.59" x 2.28"
- 21.5"W Color TFT LCD, Bonded AR Protective Glass.
- Hi-Definition (1920x1080) Native Resolution.
- 1,000 nit Brightness, 1,000:1 Contrast Ratio.
- Manual Linear Dimming knob from Max to Zero.
- Dual Standard RGB Video from any Computer.
- Dual DVI-D from Radar or other Computer.
- 3 - Composite Video Inputs.
- P-in-P Standard, Remote control option.
- Flush Bezel for Console Mounting, or VESA.
- Powered from 9 - 30 VDC or optional 120/240 VAC.
- Optional Waterproof Touchscreen.

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Specifications

- **Display** 21.5" Diagonal Active Matrix TFT LCD: WUXGA 1920x1080 pixels, 1,000:1 Contrast Ratio, 16.7 Million Colors
- **Brightness** 1,000 nits sunlight readable brightness, Dimmable 1000:1 for Night time Operation, LED Backlight
- **Video Input** 2 x RGB 4:3 Video from Any Standard Computer, supports all Standard Resolutions with Auto-Scaling
 2 x DVI-D Inputs, 3 - Composite Video Inputs
- **Touchscreen (Optional)** Analog Resistive, 2048x2048 Resolution, USB Connection to PC.
- **Cable** Power - None, Terminal Strip Provided
 1 - Video - 6 Ft. (2m.) Shielded Cable, Standard Mini-DIN DB-15 M-M, or
 1 - DVI-D - 6 ft. (2m) Shielded Cable, Hi-Density DVI Connectors
- **Housing** All Aluminum, Matte Gray Finish, IP65 Splashproof Front, IP22 Rear
- **Mounting** Flush Mount Bezel for Mounting in Panel or Frame. 75 and 100 VESA Mounting Holes in Rear.
- **Dimensions** 23.0" x 14.76" x 2.28" (584.2mm. x 374.8mm. x 58mm)
- **Weight** 7.9 kg / 17.4 lbs.
- **Power (Max)** 26 Watts 9 - 30 VDC
- **Environmental**

	Operating	Non-Operating
Temperature (Air Ambient)	-10°C to 50°C (14°F to 122°F)	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	5% to 95%, non-condensing	
Shock	50 G (half-sine for 30msec.)	
Vibration	1.0 G (@ 5 - 500 Hz sine sweep, 3 - axis)	
- **MTBF** 30,000 Hrs.
- **Standards** BV Certified to IEC60945 by IACS-E10, CE, FCC Class A, Part 15

