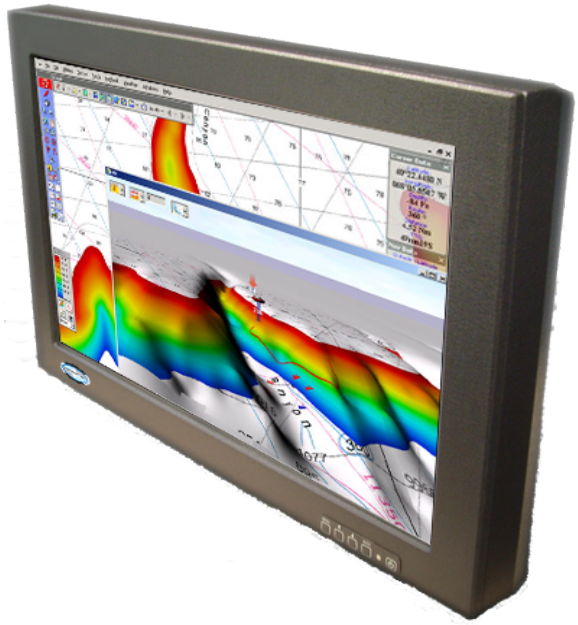
Marine Grade LED Bridge Monitor
High Contrast, Sunlight Readable
IMO Type Approval, ECDIS Certified

MPC-MI24

24” Wide High Contrast Display

Suitable for Radar, Chart, Weather

IMO Marine Approvals



The MPC-MI24 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-MI24 has a 16x9 wide format display allowing for more information to be displayed in the same space as older formats. The front mounted dimming control adjusts the display brightness from max to dim for optimal operator viewing clarity and comfort in any lighting condition. It is also available with a 1,000 nit LED backlight for extremely bright operating conditions. The MPC-MI24 connects to any standard PC through the VGA output using any standard VGA cable. The monitor can also receive DVI-D video input from a high performance computer or other video sources. S-video and composite video inputs are also available for camera or other NTSC signals. The native resolution is 1920x1200, but the MPC-MI24 will auto-scale any lower resolution to fit full screen. The MPC-MI24 comes standard with AR glass bonded to the LCD to provide exceptional contrast and is fog-free in all conditions. An optional touch screen is also available and will operate prefectly even when wet. Mounting is accompished from the front directly on a console or with an optional VESA mount. The front is rated IP65 and the rear is IP22. 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. IMO Type Approved and ECDIS Certified for Marine applications.

Standard Features

- **Marine Grade Chassis Rated IP65 Front, IP22 Rear.**
- **24” Color TFT AMLCD., AR Coated Bonded Glass.**
- **WUXGA(1920x1200) Native Resolution.**
- **500 nit, 1,000:1 Contrast Ratio Bridge Viewable.**
- **Standard RGB Video from any Computer.**
- **DVI-D from Black Box Radar or other Computer.**
- **S-Video and Composite Video Inputs.**
- **RS-232 Remote control option.**
- **Console, Frame or Stand Mounting.**
- **Powered from 24VDC or 120/240 VAC.**
- **Optional Waterproof Touchscreen.**
- **IMO Type Approval, ECDIS Certified, IACS-E10.**

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Specifications

Display	24” Diagonal Active Matrix TFT LCD: WUXGA 1920x1200 pixels, 500:1 Contrast Ratio, 16.7 Million Colors
Brightness	500 nits standard brightness, Optional 1,000 nits Dimmable100:1 for Night time Operation
Video Inputs	RGB VGA and DVI-D Video from Any Standard Computer, supports all Standard Resolutions, Auto-Scaling to Full Screen
	S-Video and Composite Video Inputs from Standard NTSC or PAL Camera Inputs
Touchscreen (Optional)	Analog Resistive Technology, 2048x2048 Resolution, RS-232 or USB Connection to PC, waterproof. Multi-touch option.
Cable	Power - 6 Ft. (1.8m.) Molded Standard Universal Cable (AC),
	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
Housing	Aluminum, Black Finish, IP65 Splashproof Front, IP22 Rear
Mounting	Flush Mount Bezel for Mounting in Panel or Frame, or VESA Mount Stand.
Weight	9.08 kg / 20 lbs.
Power (Max)	100 Watts (80 watts nominal)

Environmental	**Operating**	**Non-Operating**
Temperature (Air Ambient)	0°C to 50°C (14°F to 122°F)	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	10% to 90%, non-condensing	
Shock	30 G (half-sine for 11msec.)	
Vibration	1.0 G (@ 20 - 500 Hz sine sweep, 3 - axis)	

Electrical		
Input	24 VDC	120/240 VAC
Frequency	DC Input	47 – 63 Hz

MTBF	20,000 Hrs.
Standards (Pending)	IEC60950, IEC61174, IMO MSC.86(70), CE, FCC Class B, Part 15, ABS Type Approved IACE-E10