MARINE PC

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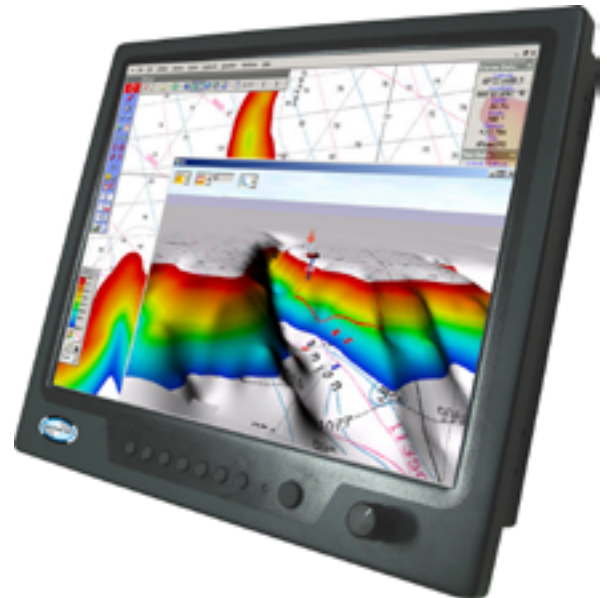Sunlight Viewable LED Backlighting

MPC-SL19

19" Marine Grade LCD Monitor

New Slim Bezel Mounts Anywhere

LED Backlight Brighter, Dimmer

The MPC-SL19 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-SL19 has a 19" 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-SL19 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/PAL signals. The native resolution is 1280x1024, but the MPC-SL19 will auto-scale any 4:3 resolution to fit full screen. Picture-in-Picture capability is standard. An optional touch screen will operate prefectly even in the wettest conditions. The matte black aluminum case and conformally coated electronics virtually eliminates any chance of corrosion for a very long service life. 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-SL19 has been certified by Bureau Veritas to pass IEC60945 testing per IACS-E10 for use on IMO Approved vessels.

Standard Features

- Slim All-Aluminum Front Bezel Rated IP65.
- Space Saving: 14.78" x 16.61" x 2.28"
- 19" Color TFT AMLCD, Bonded AR Protective Glass.
- SXGA(1280x1024) Native Resolution.
- 1,000 nit Brightness, 900:1 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 19" Diagonal Active Matrix TFT LCD: XGA 1280x1024 pixels, 900:1 Contrast Ratio, 16.7 Million Colors

Brightness 1,000 nits sunlight readable brightness, Dimmable1000:1 for Night time Operation, LED Backlight

Video Input 2 x RGB 4:3 Video from Any Standard Computer, supports VGA, SVGA, XGA, SXGA Auto-Scaling to Full Screen

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

1 - DVI-D - 6 ft. (2.m) Shielded Cable, Hi-Density DVI Connectors

Housing All Aluminum, Black Finish, IP65 Splashproof Front, IP22 Rear

Mounting Flush Mount Bezel for Mounting in Panel or Frame. 75 and 100 VESA Mounting Holes in Rear.

Weight 12.3 kg / 27 lbs.

Power (Max) 45 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

FC CE RoHS

Cutout Dimensions: 15.98" x 13.11" (406mm. x 333mm.)

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