



Waterproof Marine Grade 32" Sunlight Readable LED Computer Display

MPC-WPD32

The WPD Universal Series is a breakthrough in marine grade flat panel Active Matrix LCD Monitor designs, offering economical yet extremely rugged sunlight readable displays that are fully sealed from water, oil, dirt and other contaminants. The MPC-WPD32 is the largest waterproof commercial marine grade display and is suitable for use in virtually any environment. The LED backlight delivers up to 1,000 nits of full sunlight readability, yet dims to ~ 1 nit for use on moonless nights. The front mounted video display and dimming control adjusts the display qualities and brightness from max to super-dim for optimal operator viewing clarity and comfort in any lighting condition. The MPC-WPD32 connects to any standard PC through the HDMI, DVI and/or VGA waterproof connectors. The MPC-WPD32 supports Picture-in-Picture (optional) so that any two separate inputs can be seen simultaneously. The WPD receives its video signals through a sealed 6 ft. cable. The native resolution is full HD (1920x1080). The anti-glare protective front glass is also available in tempered for enhanced break resistance. The optional touch screen is available in P-CAP for normally protected areas or analog resistive touch for very wet conditions. Optical bonding is an available option. The normal operating temperature range is -20 to 70°C (+4 to 158°F) without heaters. The precision milled aluminum front case is super rugged and suitable for flush or optional "U" Bracket for surface mounting, or optional VESA mounting. Common applications include primary display or repeater from a computer, chart plotter, blackbox radar or sounder or weather computer and can be located in a nav station or mounted on an open bridge or other area where a large format display is needed.



Standard Features

- Completely Sealed Case Rated IP65 Waterproof.
- 32" Color TFT AMLCD Large Format.
- Full HD (1,920 x 1,080) Native Resolution.
- ~1,000 nit Sunlight Viewable Dims to ~1 nit.
- High Contrast for Excellent Viewability.
- HDMI, RGB and/or DVI Video from any Computer.
- Picture-in-Picture from Different Sources (Opt).
- Exceptional Temperature Range: -20 to +70°C.
- Thin Profile Black All Aluminum Case.
- Flush, Optional "U" Bracket or VESA Wall Mount.
- Powered from 10-38 VDC or 120/240 VAC.
- Anti-Reflective Glass or Optional Touchscreen.
- 5 Ft. Power and 6ft. Video Cables Included.



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Specifications

□	Display	AM-TFT LCD: Full HD 1920x1080	
□	Brightness	1,000 nits LCD Backlight, Dimmable to ~1 for Night Operation	
□	Video Input	HDMI, DVI-D and RGB VGA Video, 4:3 Autoscaling Composite Video (Optional)	
□	Touchscreen (Optional)	P-CAP Multi-Touch or Analog Resistive, 1024x1024 Resolution, Serial Cable Included	
□	Cables	Power - 5 Ft. (1.6m.) Sealed Cable, Flying Leads (DC only) Video - 6 Ft. (1.8m.) Sealed Cable, Mini-DIN DB-15 Male Digital - 6 Ft. (1.8m.) Sealed Cable, DVI-D Male and HDMI Male	
□	Connectors	Circular Sealed IP67 Screw-on Connectors	
□	Housing	NEMA 6/IP65 Rated Outdoor Weatherproof and Waterproof, Main Case Black Powder-Coated Milled Aluminum Billet Powder Coated Aluminum Rear, All Stainless Steel Hardware	
□	Mounting	Flush or Optional "U" Bracket Surface Mount or VESA Mount	
□	Weight	12.0 kg / 26.4 lbs.	
□	Power	Min: 6 watts Max: 60 watts	
□	Environmental	Operating	Non-Operating
	Temperature (Air Ambient)	-20°C to 70°C (+4 to 158°F)	-40°C to 75°C (-40°F to 167°F)
	Relative Humidity	0% to 100%	
	Shock	50 G	50 G
	Vibr. (@ 5-500 Hz sin sweep)	5.8 G	5.8 G
□	Electrical		
	Input	10-38 VDC Internal	120/240 VAC (External Adapter)
	Frequency	DC Input	45 – 75 Hz
□	MTBF (approx.)	50,000 Hrs.	
□	Standards	CE, FCC Class A, Part 15	

