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AmbientNAV Releases Marine LCD Monitors

Apr 17, 2007

[AmbientNAV](#) has launched a line of marine LCDs featuring its SeaEye technology. The SeaEye electronic design reduces internal operation heat and the effects of ambient temperature, while the display technology minimizes solar thermal gain, eliminating blooming and black splotches associated with the breakdown of LCD crystals due to heat; this also eliminates the need for an internal fan. Designed for operation in rugged marine conditions, these monitors incorporate advancements in optical bonding, backlighting circuitry, optical enhancement films, and anti-glare/anti-reflective treatments to the external glass surface.

SeaEye monitors employ a fully enclosed aluminum and stainless steel case design as well as bonded glass, both of which serve to eliminate water egress, internal condensation, screen fogging, and corrosion. SeaEye monitors also incorporate an easily accessible rotary analog control knob that allows for adjustment of the backlight from full brightness to off (less than 1 nit) for safe night operation. Unlike other monitors that dim to red at night, SeaEye monitors dim to black, minimizing confusion and loss of information when using navigational chart images with red coloration.

"Our SeaEye technology represents a quantum leap in not only image clarity in all lighting conditions, but in overall performance and product life," said Peter Meagher, president, AmbientNAV.

All SeaEye-enabled monitors feature custom-designed, fully isolated power supplies with a voltage input range of 9-36 VDC, and powder-coated, anodized aluminum enclosures with a NMEA 4x rating. The thin bezel design (3/8-inch lip) reduces the footprint of the monitors. Monitors can be mounted with either a quick clamp mount for rigid flush mounting, or the VESA and RAM mount points located on the back of the monitor.

The new AmbientNAV SeaEye product lineup comprises two 15-inch and two 17-inch LCD monitors, available in both daylight-viewable models (MDDL) and enhanced sunlight-viewable models (MDSL), with multi-port inputs including, RGB, DVI-D, S-video and composite video. The 15-inch monitors offer a contrast ratio greater than 500:1, 160-degree-plus viewing

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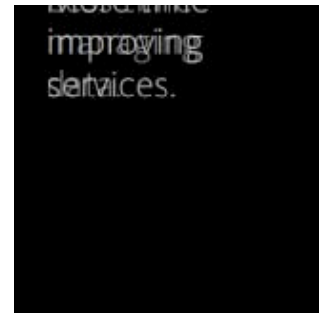
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angles, support for display resolutions ranging from 640x480 to 1280x1024 (1024x768 native). The 17-inch models offer a contrast ratio greater than 700:1, 170-degree+ vertical and horizontal viewing angles, and support for display resolutions ranging from 640x480 to 1280x1024 (1280x1024 native). All monitors have an operating temperature range of 0-60 degrees Celsius, and an amperage draw of 1.5 amps (daylight models) and 2.5 amps (sunlight models) at 12 volts.

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