



IP65 marine touch monitor specifications



IP65 Marine Touch Monitors

NPD is a new series of marine grade displays from Litemax. These rugged touch-monitors are internationally recognized and certified with a proven track record of satisfying all types of scenarios, applications and environments for maritime professionals and organizations. Whether the project involves system building, maintenance, repair or equipment upgrade of a yacht, a submarine or any relevant maritime structure, these marine displays guarantee high quality and performance from the dock to the engine room.

Litemax marine displays are housed in a milled billet aluminium case, they are light-weight and watertight with fully sealed IP65 connectors.

The IP65 marine grade enclosures offers the following:

- protection against contact with live or moving parts inside the enclosure,
- protection against dust particles, as well as
- a good level of protection against water.

Main Features

- IP65 marine grade display
- Marine BV certification, complies with IACS-E10 & IEC 60945
- 1000 nits sunlight readable LCD
- Advanced optical bonding (AOT)
- Resistive touch / AR glass support
- Long life, low power consumption LED backlight
- Night mode support
- Wide dimming potentiometer
- Rich I/O: VGA x 2, DVI x 2, CVBS x 3 (NPD1744, NPD1954 only)
- PIP function support (NPD1744, NPD1954 only)
- -20 °C – 60 °C wide operation temperature
- 9 – 36 V DC input
- Anti-shock and anti-vibration resistance

Other Uses for Marine Displays

- Production
- Healthcare
- Food and Hygiene
- Pharmaceuticals and Chemicals

IP65 Marine Touch Monitors: Specifications and Models

	12.1"	15"	17"	19"	21.5"
Description	NPD1236 IP65 Marine Display	NPD1555 IP65 Marine Display	NPD1744 IP65 Marine Display	NPD1954 IP65 Marine Display	NPD2115 IP65 Marine Display
Screen Size	12.1"	15"	17"	19"	21.5"
Display Area (h x v)	245.76 x 184.32 mm	304.13 x 228.1 mm	337.9 x 270.3 mm	376.3 x 301.1 mm	476.64 x 268.11 mm
Brightness	1000cd/m ²				
Resolution	1024 x 768		1280 x 1024		1920 x 1080
Aspect Ratio	4:3				16:9
Contrast Ratio	700:1		800:1	1000:1	1000:1
Pixel Pitch (h x v)	0.24 x 0.24 mm	0.297 x 0.297 mm	0.264 x 0.264 mm	0.294 x 0.294 mm	0.248 x 0.248 mm
Pixel per inch (ppi)	105	85	96	86	102
Viewing Angle (h, v)	140°, 140°		160°, 160°		170°, 160°
Display Colours	262 k	16.2 m	16.7 m		
Response Time (Typical)	Tr 6 ms / Tf 17 ms	Tr 8 ms / Tf 17 ms	Tr 3.5 ms / Tf 1.5 ms	Tr 3.6 ms / Tf 1.4 ms	5 ms
Input Power	DC input 9 ~ 36 V				
Power Consumption	24 w	40.8 w	50 w	55 w	26 w
Dimensions	316 x 256 x 56 mm	352.8 x 303.3 x 56.4 mm	384 x 348.1 x 57.8 mm	421.9 x 375.5 x 56.8 mm	525.8 x 345.2 x 56.4 mm
Weight (net)	2.5 kg	3.5 kg	4.5 kg	5.5 kg	5.5 kg
Mounting	Panel (flush) mount VESA mount				
Operating Temperature	-20°C – 60°C (-4°F – 140°F)		-10°C – 50°C (-14°F – 122°F)		
Storage Temperature	-20°C – 70°C (-4°F – 158°F)				
Product Approval	CE / FCC				

	12.1"	15"	17"	19"	21.5"
Inputs	VGA x 1 DVI x 1 Composite x 3 RS232 x 1 USB x 1		VGA x 2 DVI x 2 Composite x 3 RS232 x 1 USB x 1		
Picture in Picture	-		3 stages (Child, split and wide screen)		
IP Rating	IP65 waterproof (facial) when console mounted				
Construction	Rugged aluminium alloy chassis				
Optional	Glass Resistive Touch PCT Touch				
Marine Certification	IEC 60945 BV marine and IACS-E10 approval			IEC 60945 BV marine and IACS-E10 approval pending	IEC 60945 BV marine and IACS-E10 approval