

# NEPTUNE SERIES

Indoor Fixed installation LED Display

The Neptune Series redefines the possibilities of display technology, offering a perfect blend of performance, durability, and versatility. Designed with cutting-edge features, these displays are ideal for a wide range of applications, from commercial signage to digital art installations.



## OVERVIEW & APPLICATIONS

- **Front Protection Layer:**
  - Enjoy peace of mind with the Neptune Series' built-in front protection layer, safeguarding your display from scratches, dust, and other environmental elements.
- **Low Power Consumption:**
  - Reduce your energy costs and environmental impact with the Neptune Series' efficient power usage.
- **Easy Installation:**
  - The user-friendly design of the Neptune Series ensures a hassle-free installation process, saving you time and effort.
  - Choose from a variety of panel sizes to find the perfect fit for your specific needs.
  - The Neptune Series' lightweight construction makes it easy to transport and install in various locations.
  - Access and maintain your display easily with front-facing installation and maintenance capabilities.
- **Curvature:**
  - Customize your display's appearance with the option of concave or convex curves, ranging from 0 to 90 degrees.
- **Applications:**
  - Retail & Hospitality
  - Transportation
  - Corporate (Lobby and auditoriums)
  - Healthcare
  - Museums

# SPECIFICATIONS

MODEL	NEPTUNE-1.5	NEPTUNE-1.9	NEPTUNE-2.5	NEPTUNE-2.6	NEPTUNE-2.9	NEPTUNE-3.9	NEPTUNE-4.8
Technology	SMD 3-in-1 GOB						
Pixel pitch	1.56 mm	1.89 mm	2.5 mm	2.6 mm	2.97 mm	3.91 mm	4.8 mm
Pixel Density	409,600 px/m <sup>2</sup>	278,784 px/m <sup>2</sup>	160,000 px/m <sup>2</sup>	147,456 px/m <sup>2</sup>	112,896 px/m <sup>2</sup>	65,536 px/m <sup>2</sup>	43,264 px/m <sup>2</sup>
Module size	250 x 250 mm						
Module resolution	160 x 160 px	132 x 132 px	100 x 100 px	96 x 96 px	84 x 84 px	64 x 64 px	52 x 52 px
Panel sizes	250x250x44 • 500x500x44 mm	250x[250; 500; 750]x44 • 500x[250; 500; 750; 1000]x44 • 1000x250x44 • 1500x250x44 mm					
Weight	19 kg/m <sup>2</sup>						
Housing Material	Die-casting aluminum						
Installation Methods	Wall mount • Hanging • Stacking						
Curvature	Concave 0 to -90° • Convex 0 to 90°						
Brightness	800 nits	800 nits	1,000 nits	1,000 nits	1,000 nits	1,000 nits	1,000 nits
Brightness uniformity	≥98%						
Refresh rate	≥3,849 Hz						
Color temperature	3,000 K ~ 10,000 K						
Color gamut	REC 709 100%						
Color	14-bit						
Viewing angle	Horizontal: 140° • Vertical: 140°						
Contrast	5,000:1						
Gray Scale	14-bit						
Frame frequency	50Hz • 60 Hz						
Max power consumption	≤420 W/m <sup>2</sup>						
Avg power consumption	≤140 W/m <sup>2</sup>						
Max heat dissipation	≤1,436 BTU/Hr/m <sup>2</sup>						
Avg heat dissipation	≤479 BTU/Hr/m <sup>2</sup>						
Working voltage	100V ~ 240V • 50 ~ 60 Hz						
Operating temp	-20°C ~ 60°C						
Operating humidity	10% RH ~ 90% RH						
LED lifetime	100,000 hours						
Serviceability	Full front installation & maintenance						
Warranty	2 years standard • 5 years extended						