



NEPTUNE SERIES

Neptune is the eighth planet from the Sun and the farthest known planet in the Solar System. the third-most-massive planet...

AURA VISION

NEPTUNE SERIES

Fixed Installation Indoor LED Display

OVERVIEW & APPLICATIONS

NEPTUNE Series optimizes the balance between minimize budget and satisfied quality standard.

Fully front installation and service design making it ideal for indoor advertising solutions in high-end retail stores, cinemas, airport train stations, museums and other places.

FEATURES

- Variable installation would be available by combination of cabinets in below 8 sizes which can perfectly meet the demand of installation diversity.

Available cabinet sizes with max 47mm depth:

- 500 x 1,000 mm
- 500 x 750 mm
- 500 x 500 mm
- 500 x 250 mm
- 250 x 500 mm
- 250 x 1,000 mm
- 1,000 x 250 mm
- 750 x 250 mm

Multiple installation method:

- Support both wall mounting and hanging installations.
- Support seamless right-angle installations.
- Support flexible splicing of 250x500mm cabinet.

Redundancy on power & signal, safe and reliable:

- Double power supply: When one power supply fails, the other power supply automatically intervenes to ensure that the display screen works normally.
- Double receiving card: In case of failure of one receiving card, the other receiving card will still operate normally to ensure the stable and reliable picture.
- Intelligent module - The module has its own calibration data storage, which can automatically import the calibration data when changing module.

SPECIFICATIONS



AURA VISION

MODEL	NEPTUNE-1.9	NEPTUNE-2.5	NEPTUNE-2.6	NEPTUNE-2.9
Pixel pitch (mm)	1.95	2.5	2.6	2.9
Lamp type	SMD 3-in-1	SMD 3-in-1	SMD 3-in-1	SMD 3-in-1
Module size (mm)	250x250	250x250	250x250	250x250
Module resolution (px)	128x128	100x100	96x96	84x84
Cabinet size (mm)	500x1,000x47; 500x750x47; 500x500x47; 500x250x47; 250x500x47; 1,000x250x47; 250x750x47; 250x1000x47; 750x250x47			
Weight/cabinet	500x250 = 3.5kg (7.7 lbs); 750x250 = 5.0kg (11 lbs); 1000x250 = 6.4kg (14 lbs); 500x500 = 6.5kg (14.3 lbs); 500x750 = 8.5kg (18.7 lbs); 500x1000 = 11.2kg (24.7 lbs)			
Refresh rate (Hz)	≥2880	≥3840	≥3840	≥3840
Brightness (nits)	≥800	≥800	≥800	≥800
Brightness uniformity	≥98%	≥98%	≥98%	≥98%
Contrast	>4,500:1	>4,500:1	>4,500:1	>4,500:1
Viewing angle (H/V)°	H: ≥160° V: ≥140°	H: ≥160° V: ≥140°	H: ≥160° V: ≥140°	H: ≥160° V: ≥140°
Power consumption (W/m ²)	≤150 (typ.) ≤450 (max.)	≤150 (typ.) ≤450 (max.)	≤150 (typ.) ≤450 (max.)	≤150 (typ.) ≤450 (max.)
Heat dissipation (BTU/hr/m ²)	≤5111 (typ.) ≤1533(max.)	≤5111 (typ.) ≤1533(max.)	≤5111 (typ.) ≤1533(max.)	≤5111 (typ.) ≤1533(max.)
Working voltage	100V ~ 240V 50~60Hz	100V ~ 240V 50~60Hz	100V ~ 240V 50~60Hz	100V ~ 240V 50~60Hz
Operating temp (°C)	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C
Operating humidity	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%
LED lifetime (hours)	100,000	100,000	100,000	100,000
Serviceability	Full front service			
Warranty	2 years standard / 5 years extended			

SPECIFICATIONS



AURA VISION

MODEL	NEPTUNE-3.1	NEPTUNE-3.9	NEPTUNE-4.8	NEPTUNE-5.9
Pixel pitch (mm)	3.1	3.9	4.8	5.9
Lamp type	SMD 3-in-1	SMD 3-in-1	SMD 3-in-1	SMD 3-in-1
Module size (mm)	250x250	250x250	250x250	250x250
Module resolution (px)	80x80	64x64	52x52	42x42
Cabinet size (mm)	500x1,000x47; 500x750x47; 500x500x47; 500x250x47; 250x500x47; 1,000x250x47; 250x750x47; 250x1000x47; 750x250x47			
Weight/cabinet	500x250 = 3.5kg (7.7 lbs); 750x250 = 5.0kg (11 lbs); 1000x250 = 6.4kg (14 lbs); 500x500 = 6.5kg (14.3 lbs); 500x750 = 8.5kg (18.7 lbs); 500x1000 = 11.2kg (24.7 lbs)			
Refresh rate (Hz)	≥3840	≥3840	≥3840	≥3840
Brightness (nits)	≥800	≥800	≥800	≥800
Brightness uniformity	≥98%	≥98%	≥98%	≥98%
Contrast	>4,500:1	>4,500:1	>4,500:1	>4,500:1
Viewing angle (H/V)°	H: ≥160° V: ≥140°	H: ≥160° V: ≥140°	H: ≥160° V: ≥140°	H: ≥160° V: ≥140°
Power consumption (W/m ²)	≤150 (typ.) ≤450 (max.)	≤150 (typ.) ≤450 (max.)	≤150 (typ.) ≤450 (max.)	≤150 (typ.) ≤450 (max.)
Heat dissipation (BTU/hr/m ²)	≤5111 (typ.) ≤1533(max.)	≤5111 (typ.) ≤1533(max.)	≤5111 (typ.) ≤1533(max.)	≤5111 (typ.) ≤1533(max.)
Working voltage	100V ~ 240V 50~60Hz	100V ~ 240V 50~60Hz	100V ~ 240V 50~60Hz	100V ~ 240V 50~60Hz
Operating temp (°C)	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C	-10°C ~ 45°C
Operating humidity	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%
LED lifetime (hours)	100,000	100,000	100,000	100,000
Serviceability	Full front service			
Warranty	2 years standard / 5 years extended			