VE-NT1.9/2.6/2.9/3.9/2.6S/2.9S/3.9S/VE-NTS2.6/2.9/3.9/2.9S/3.9S/4.8S



500*500 VE-NT Indoor series



500*1000 VE-NT Indoor series



500*500 VE-NTS Outdoor series

Functional description:

The NT series rental LED display adopts magnesium alloy material. Equipped with quick-lock fixtures and a professional cabinet structure, it enables fast installation and greatly improves installation efficiency. The product features high refresh rate and high contrast ratio to ensure clear and sharp image display. With its flexibility, convenience and high efficiency, the NT series is widely used in concerts, galas, auto shows, TV broadcasting, wedding ceremonies, T-stage shows and various other events.

Key Features

High-definition image quality: The entire series is equipped with high refresh rate and high contrast ratio, restoring every frame of the picture.

Flexible and versatile: Easy to move and install between different venues, adapting to diverse event requirements.

Easy installation and operation: User-friendly quick-lock buckles and structural design ensure flatness while enabling fast assembly and disassembly.

Universal interfaces: The cabinets adopt high-stability aviation power and signal connectors mainstream in the rental industry for more stable and efficient operation.

High flexibility: Curved locks are optional, allowing free bending at angles of -6°/-3°/0°/3°/6° to build concave or convex curved displays. 45° mitered cabinets are customizable for 90° corner screens. Two cabinet sizes can be mixed and matched to meet more installation scenarios.

Convenient maintenance: Modular design allows quick replacement of each module. Front and rear maintenance are supported, making repairs simple and reducing equipment downtime.

Outdoor and Indoor Rental LED Display

VE-NT1.9/2.6/2.9/3.9/2.6S/2.9S/3.9S/VE-NTS2.6/2.9/3.9/2.9S/3.9S/4.8S

Category	Parameter Name	VE-NT1.9	VE-NT2.6	VE-NT2.9	VE-NT3.9
Module Composition	Pixel Structure	SMD1515	SMD2121 / SMD1515	SMD2121	SMD2121
	Pixel Pitch (mm)	1.953	2.604	2.976	3.91
	Module Resolution (W×H)	128×128	96×96	84×84	64×64
	Module Dimension (W×H, mm)	250×250	250×250	250×250	250×250
	Module Arrangement (W×H)	2×2 / 2×4	2×2 / 2×4	2×2 / 2×4	2×2 / 2×4
Cabinet Composition	Unit Resolution (W×H)	256×256256×512	192×192192×384	168×168168×336	128×128128×256
	Unit Dimension (W×H×D, mm)	500×500×90500×1000×90	500×500×90500×1000×90	500×500×90500×1000×90	500×500×90500×1000×90
	Unit Area (m²)	0.25 / 0.5	0.25 / 0.5	0.25 / 0.5	0.25 / 0.5
	Weight (kg / Cabinet)	6.5 (500 mm × 500 mm)12.5 (500 mm × 1000 mm)	6.5 (500 mm × 500 mm)12.5 (500 mm × 1000 mm)	6.5 (500 mm × 500 mm)12.5 (500 mm × 1000 mm)	6.5 (500 mm × 500 mm)12.5 (500 mm × 1000 mm)
	Pixel Density (dots / m²)	262144	147456	112896	65536
	Protection Level	IP60	IP60	IP60	IP60
Optical Parameters	Brightness (nits)	650	700	800	800
	Color Temperature (K)	3500-9000	3500-9000	3500-9000	3500-9000
	Viewing Angle (Horizontal / Vertical)	≥160° / 120°	≥140° / 120°	≥160° / 120°	≥160° / 120°
	LED Center Offset	< 3%	< 3%	< 3%	< 3%
	Brightness Uniformity (After Calibration)	≥97%	≥97%	≥97%	≥97%
	Chromaticity Uniformity (After Calibration)	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy
	Contrast Ratio	≥6000:1	≥6000:1	≥6000:1	≥6000:1
Electrical Parameters	Maximum Power Consumption (W/m²)	≤600W/m²	≤600W/m²	≤600W/m²	≤600W/m²
	Average Power Consumption (W/m²)	≤200W/m²	≤200W/m²	≤200W/m²	≤200W/m²
	Input Voltage (V)	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V
	Maintenance Method	Front-access / Rear-access	Front-access / Rear-access	Front-access / Rear-access	Front-access / Rear-access
	Refresh Rate (Hz)	≥3840 / 7680	≥3840 / 7680	≥3840 / 7680	≥3840 / 7680
	Frame Rate	50 & 60	50 & 60	50 & 60	50 & 60
Usage Parameters	Operating Temperature Range (°C)	-20~50	-20~50	-20~50	-20~50
	Storage Temperature Range (°C)	-35~85	-35~85	-35~85	-35~85
	Operating Humidity Range (RH)	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing
	Storage Humidity Range (RH)	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing

VE-NT1.9/2.6/2.9/3.9/2.6S/2.9S/3.9S/VE-NTS2.6/2.9/3.9/2.9S/3.9S/4.8S

Category	Parameter Name	VE-NTS2.6	VE-NTS2.9	VE-NTS3.9
Module Composition	Pixel Structure	SMD1515	SMD1515	SMD2020
	Pixel Pitch (mm)	2.6	2.97	3.91
	Module Resolution (W×H)	96×96	84×84	64×64
	Module Dimension (W×H, mm)	250×250	250×250	250×250
	Module Arrangement (W×H)	2×2	2×2	2×2
Cabinet Composition	Unit Resolution (W×H)	192×192	168×168	128×128
	Unit Dimension (W×H×D, mm)	500×500×84	500×500×84	500×500×84
	Unit Area (m²)	0.25	0.25	0.25
	Weight (kg / Cabinet)	7.2 (500×500 size)	7.2 (500×500 size)	7.2 (500×500 size)
	Pixel Density (dots / m²)	147456	112896	65536
	Protection Level	IP60	IP60	IP60
Optical Parameters	Brightness (nits)	800	800	800
	Color Temperature (K)	3500-9000	3500-9000	3500-9000
	Arc (°)	±20	±20	±20
	LED Center Offset	< 3%	< 3%	< 3%
	Brightness Uniformity (After Calibration)	≥97%	≥97%	≥97%
	Chromaticity Uniformity (After Calibration)	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy
	Contrast Ratio	≥6000:1	≥6000:1	≥6000:1
Electrical Parameters	Maximum Power Consumption (W/m²)	≤628W/m²	≤610W/m²	≤535W/m²
	Average Power Consumption (W/m²)	≤210W/m²	≤203W/m²	≤178W/m²
	Input Voltage (V)	AC 100~240V	AC 100~240V	AC 100~240V
	Maintenance Method	Rear-access	Rear-access	Rear-access
	Refresh Rate (Hz)	3840Hz	3840Hz	3840Hz
	Frame Rate	50 & 60	50 & 60	50 & 60
Usage Parameters	Operating Temperature Range (°C)	-20~50	-20~50	-20~50
	Storage Temperature Range (°C)	-35~85	-35~85	-35~85
	Operating Humidity Range (RH)	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing
	Storage Humidity Range (RH)	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing

VE-NT1.9/2.6/2.9/3.9/2.6S/2.9S/3.9S/VE-NTS2.6/2.9/3.9/2.9S/3.9S/4.8S

Category	Parameter Name	VE-NTS2.9S	VE-NTS3.9S	VE-NTS4.8S
Module Composition	Pixel Structure	SMD1515	SMD1921	SMD1921
	Pixel Pitch (mm)	2.97	3.91	4.81
	Module Resolution (W×H)	84×84	64×64	52×52
	Module Dimension (W×H, mm)	250×250	250×250	250×250
	Module Arrangement (W×H)	2×2	2×2	2×2
Cabinet Composition	Unit Resolution (W×H)	168×168	128×128	104×104
	Unit Dimension (W×H×D, mm)	500×500×84	500×500×84	500×500×84
	Unit Area (m²)	0.25	0.25	0.25
	Weight (kg / Cabinet)	7.8 (500×500 size)	7.8 (500×500 size)	7.8 (500×500 size)
	Pixel Density (dots / m²)	112896	65536	43264
	Protection Level	IP65	IP65	IP65
Optical Parameters	Brightness (nits)	4000	4000	4000
	Color Temperature (K)	3500-9000	3500-9000	3500-9000
	Arc (°)	±20	±20	±20
	LED Center Offset	< 3%	< 3%	< 3%
	Brightness Uniformity (After Calibration)	≥97%	≥97%	≥97%
	Chromaticity Uniformity (After Calibration)	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy	Within ±0.003 Cx, Cy
	Contrast Ratio	≥6000:1	≥6000:1	≥6000:1
Electrical Parameters	Maximum Power Consumption (W/m²)	≤628W/m²	≤610W/m²	≤535W/m²
	Average Power Consumption (W/m²)	≤210W/m²	≤203W/m²	≤178W/m²
	Input Voltage (V)	AC 100~240V	AC 100~240V	AC 100~240V
	Maintenance Method	Rear-access	Rear-access	Rear-access
	Refresh Rate (Hz)	3840Hz	3840Hz	3840Hz
	Frame Rate	50 & 60	50 & 60	50 & 60
Usage Parameters	Operating Temperature Range (°C)	-20~50	-20~50	-20~50
	Storage Temperature Range (°C)	-35~85	-35~85	-35~85
	Operating Humidity Range (RH)	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing
	Storage Humidity Range (RH)	10%~95% Non-condensing	10%~95% Non-condensing	10%~95% Non-condensing