



NL Series Full-Color LED Display

VT-NL1.9/VT-NL2.6/VT-NL2.9/VT-NL3.9

VT-NL2.9S/VT-NL3.9S



Product Overview

NL Series display cabinets are manufactured using a one-piece die-casting process. Featuring a professional structural design tailored for rental applications, the product offers versatile installation options, including curved screen setups. It is characterized by its lightweight design, fast installation, high rigidity, and excellent splicing precision. It is widely used in rental scenarios such as live events, sports and competitive games, film and TV production, product launches, and exhibitions.

Suitable for applications including:

- ✓ Commercial Advertising Screens
- ✓ Urban Commercial Plazas
- ✓ Traffic Guidance Displays
- ✓ Urban Landscape Signage
- ✓ Sports Stadiums & Venues
- ✓ Cultural Performance Stages
- ✓ Large-Scale Outdoor Events
- ✓ Public Transport Hubs
- ✓ Tourist Attraction Exhibition Areas
- ✓ City Outdoor Information Terminals



Key Features

1. Flexible Installation: Supports front and rear installation with full front-access maintenance. Modules are left/right agnostic and feature magnetic attachment with hard connections.
2. High-Strength Cabinet: Made of high-strength aluminum alloy, ensuring superior rigidity and high-precision splicing.
3. Reliable Connectivity: Equipped with universal aviation connectors for power and signal cables, ensuring convenience and reliability.
4. Seamless Splicing: High-precision machining achieves seamless splicing, significantly enhancing the visual effect.
5. Curved Screen Ready: Comes with standard arc locks for quick and efficient curved screen installation.
6. Dual Backup Option: Customizable dual-card and dual-power supply backup versions are available to further enhance system stability.
7. Easy Maintenance: The well-engineered structural design allows for quick and easy disassembly, saving labor costs.
8. Excellent Heat Dissipation: Efficient thermal management maintains stable operating temperatures and extends the lifespan of the display.
9. High Refresh Rate & Grayscale: Supports high-definition image rendering to meet the demands of premium applications.
10. Versatile Mounting: Supports both hanging and floor-standing installation. Compatible with both indoor and outdoor environments to adapt to various scenarios.

Technical specifications

Model	VT-NL1.9	VT-NL2.6	VT-NL2.9	VT-NL3.9	VT-NL2.9S	VT-NL3.9S
Pixel Pitch (mm)	1.95	2.6	2.97	3.91	2.97	3.91
Pixel Type	SMD1515			SMD2121	SMD1515	SMD1921
Module Resolution	128×128	96×96	84×84	64×64	84×84	64×64
Pixel Density (dots/m ²)	262,144	147,456	112,896	65,536	112,896	65,536
Module Configuration	2×2=4 Pcs / 2×4=8 Pcs					
Cabinet Resolution	256×256 / 256×512	192×192 / 192×384	168×168 / 168×336	128×128 / 128×256	168×168 / 168×336	128×128 / 128×256
Cabinet Size (mm)	500×500×77.5 / 500×1000×77.5					
Weight / Cabinet	≤7.5 KG / ≤14 KG					≤8.5 KG / ≤14 KG
Maintenance	Front / Rear					
Cabinet Flatness (mm)	≤0.3					
White Balance Brightness (cd/m ²)	≥800				≥4500	
Color Temperature	3000~15000K Adjustable					
Horizontal Viewing Angle (°)	≥160					
Vertical Viewing Angle	≥140					

(°)						
Contrast Ratio	≥6000:1					
Chromaticity Uniformity	Within ±0.003 Cx, Cy					
Viewing Distance (m) (=PITCH×1)	≥3					≥4
Avg. Power Consumption (W/m²)	≤200	≤210	≤220			≤230
Max. Power Consumption (W/m²)	≤660	≤640	≤620			≤680
Power Supply Requirement (VAC)	100~240					
Module Connection	Hard Connection					
Scan Mode	1/16S (XR) or 1/32S Optional	1/24S	1/21S	1/16S	1/21S	1/16S
Refresh Rate (Hz)	≥3840					
Drive Method	Constant Current					
Grayscale (Bit)	≤14					
Typical Lifespan (hrs)	100,000					
Operating Temp. Range (°C)	-10℃ ~ 40℃					
Storage Temp. Range (°C)	-20℃ ~ 50℃					
Operating Humidity Range (RH)	10%~60% RH (Non-condensing)					
Storage Humidity Range (RH)	10%~65% RH (Non-condensing)					