

Parameters	NT2.9W V2		NT3.9W V2			
Control system	NovaStar					
LED type	Black SMD1515		White SMD1515	Black SMD1515	White SMD1921	Black SMD1921
Pixel pitch (mm)	2.97		3.9			
Panel dimensions (WxHxD, mm)	500x500x75 (19.69x19.69x2.95") 500x1000x75 (19.69x39.37x2.95")		500x500x75 (19.69x19.69x2.95") 500x1000x75 (19.69x39.37x2.95")		500x500x75 (19.69x19.69x2.95") 500x1000x75 (19.69x39.37x2.95")	
Panel resolution	168x168	168x336	128x128	128x256	128x128	128x256
Panel weight (kg)	7(15.43lbs)	10.5(23.15lbs)	6.8 (14.99lbs)	10.2 (22.49lbs)	7(15.43lbs)	10.5(23.15lbs)
Panel material	Die casting aluminum (500x500mm), Die casting magnesium (500x1000mm)					
Module size (WxH, mm)	250x500		250x500		250x500	
Brightness (nit)	4000		5000	4000	4500	3000
Refresh rate (Hz)	7680					
Grayscale (bit)	16					
Contrast ratio	7000:1		6000:1	8500:1	4000:1	5000:1
Adjustable angles	-7.5° to +10°					
Viewing angle (H/V, °)	160/140					
Drive mode	1/21		1/8	1/8	1/16	1/16
AC operating voltage(V)	100~240					
Power consumption (max./avg., W/m²)	750/250		660/220	660/220	570/190	600/200
IP rating	IP65/IP54					
Certification	FCC, ETL, CE, UKCA, BIS					

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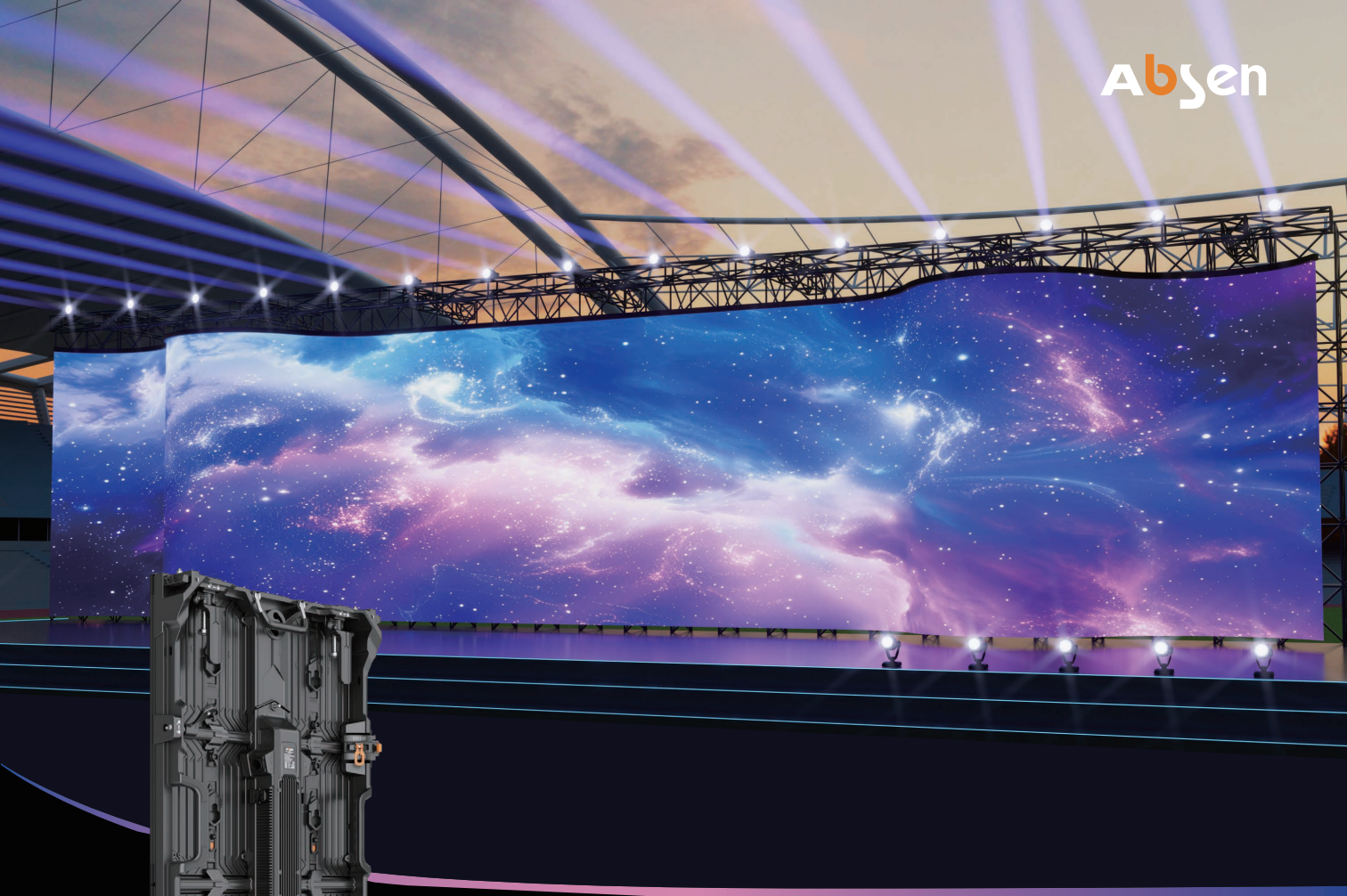
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Absen

NEPTUNE V2
OUTDOOR SERIES

NT2.9W V2 / NT3.9W V2

Maximize Your ROI Faster

NT2.9W V2 / NT3.9W V2



 **100% Contrast Enhancement**
High-brightness black LEDs

 **Outdoor & Indoor Visual Excellence**
Lower capital investment

 **23% Lighter Design**
Magnesium alloy cabinet

 **5X Protective Performance**
Upgraded waterproof & impact-resistant design

 **20% Faster Installation**
Quickly locking system

 **Creative Shape**
Cube-Shaped, L-Shaped, and Semicircular-Shaped Displays

100% Contrast Enhancement



- **Utilize True Black Face LEDs**
Utilizes true black face LEDs for deeper blacks, higher contrast, and reduced light reflection, delivering superior image quality on stage
- **Ultra-High Contrast Ratio (up to 8500:1)**
High contrast ratio ensures clear content visibility even under intense outdoor lighting
- **Matte-Black Masks**
Features matte-black masks treated with advanced anti-reflective coating, delivering higher contrast, and minimal light interference for flawless stage visuals
- **≥4000nits High Brightness**
Ultra-high brightness ensures vivid visibility outdoors & in bright venues - without sacrificing image quality



Comparison of Application Effects for Black and White LEDs

Outdoor & Indoor Visual Excellence



Outdoor - Bright Displays for Festivals & Global Touring Circuits



Indoor - Clear Image Performance for Corporate Events

8500:1
Highest contrast ratio
Ultra-High contrast that redefines visual impact

≥4000_{nit}
High-brightness black LEDs
Adjustable high brightness for optimal visibility in any setting

16_{bit}
Grayscale
Delivers exceptional image depth and precision

7680_{Hz}
Refresh Rate
Flicker-free playback perfect for live filming and broadcast applications

1/8
Scan Ratio
Lower power use with more stable brightness at high output levels

*The 8000:1 contrast ratio and 1/8 scan ratio apply only to the NT3.9W V2 (Black SMD1515).

➤ 23% Lighter Design



6.8kg/pc
14.99lbs/pc

500(W) x 500(H) x 75(D) mm
19.69x19.69x2.95"

Magnesium Alloy Cabinet

Reduces the weight of the 500x1,000 mm panel to the lowest level (10.5kg)
23% lighter than conventional rental & stage 500x1000 mm panel
Enables faster assembly and disassembly, improving installation efficiency
Ensures long-lasting performance in demanding environments

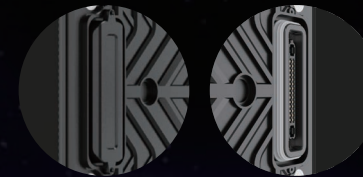
10.5kg/pc
23.15lbs/pc

500(W) x 1,000(H) x 75(D) mm
19.69x39.37x2.95"

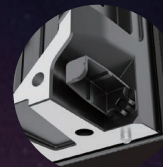
➤ 5X Protective Performance



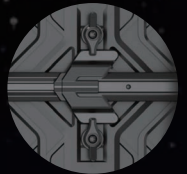
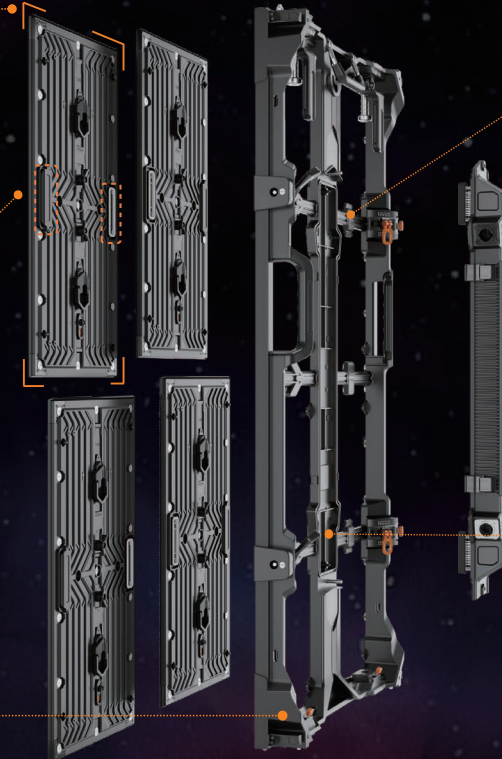
Reinforced Corner Shield System
Reducing the likelihood of LED chip damage



Module waterproof upgrade
Multi-layer waterproof rubber ring design for the module connectors



Edge Protection
Protects module edges from bumps and collisions



Anti-Shock Locking Knob
Secures modules in place to reduce shifting during transport



Power Box Waterproof Upgrade
Multi-layer waterproof rubber ring design for the power box

20% Faster Installation



Advanced Vertical Locking System Streamlined Operations

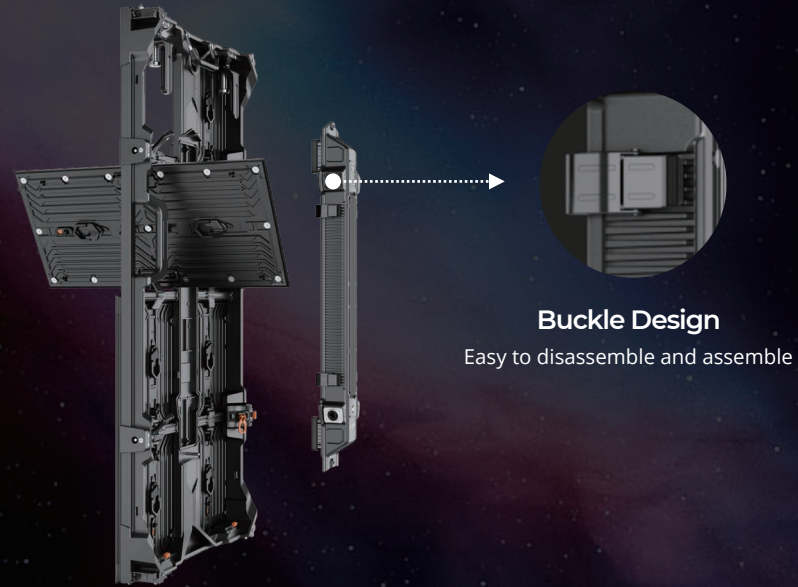
- Enhanced operational experience that sets a new standard
- Features two ergonomic handles, allowing panels to be secured in seconds with a simple push-and-lock mechanism



Accurate Horizontal Locking System Unparalleled Smoothness

- **Locating Bead Design:**
Quickly positions panels in both X-axis and Y-axis for flawless installation
- **Adjustable Angle Mechanism:**
Lift the pull-ring, slide horizontally, and select from -7.5° ~ $+10^{\circ}$ (adjustable in 2.5° increments)
- Secure the lock for perfect curvature and seamless transitions

➤ Modular Design



● Fully Integrated Power Box

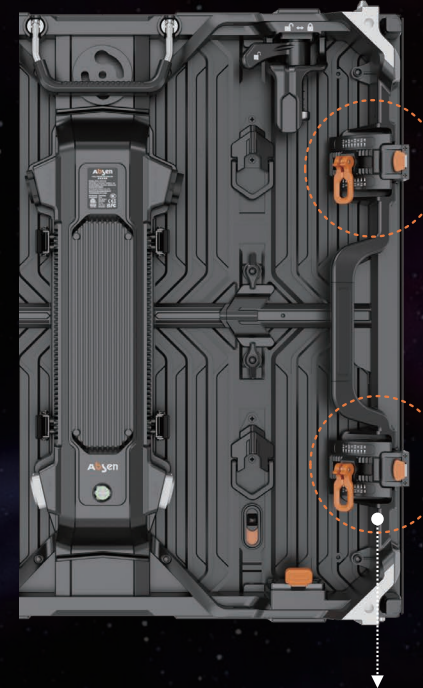
Combines PSU, receiving card, and hub board for faster troubleshooting and spare parts replacements

● Tool-Free Maintenance

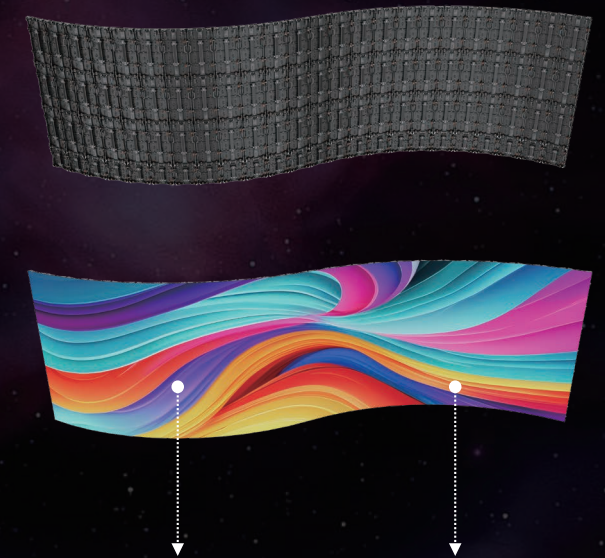
Supports rear maintenance of modules and power box

*Power supply boxes for 500x500 mm and 500x1000 mm panels are not interchangeable.

➤ Excellent Curving Capabilities



● -7.5° to +10° adjustable
(2.5° per unit)



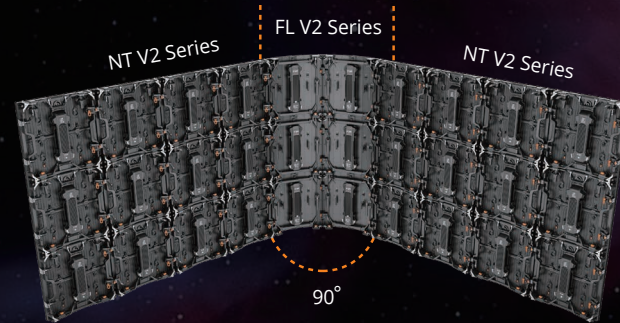
● Convex Display

● Concave Display

Creative Curved Display



FL V2 Series Ultra-Flexible Display



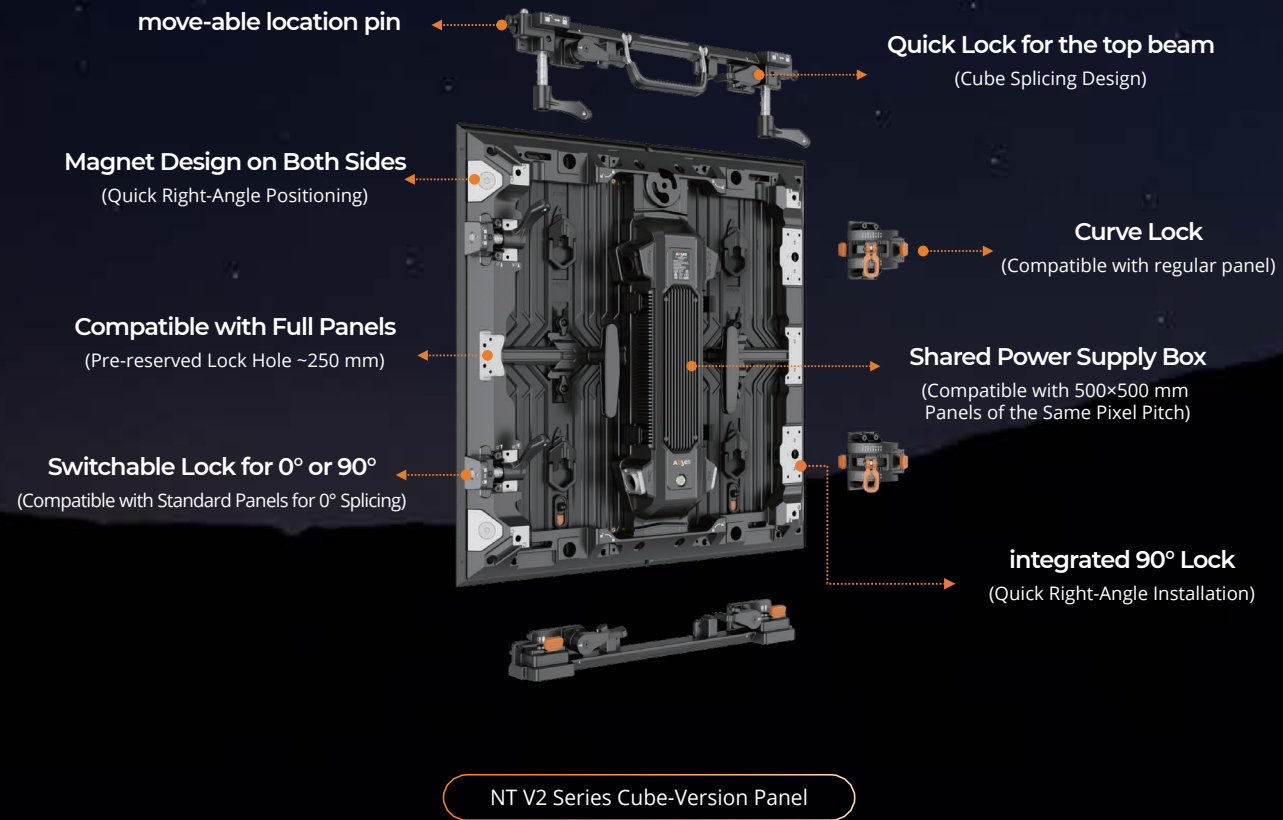
Effortless One-Hand Angle Adjustment

- Available in 2.9, 3.9mm pixel pitches
- Adjustable from -45° to +45°, offering 15 preset angles for customized designs
- Quick one-handed operation simplifies angle adjustments for rapid setup
- A minimum of 8 panels is required to assemble a cylinder with a diameter of 1.27 meters



*Images are for illustrative purposes only; the actual product may vary.

Cube-Shaped Display



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Creative L-Shaped and Semicircular-Shaped Displays



FL V2 500X500 mm Panel



NT V2 500X500 mm Panel



NT V2 Cube-Version Panel



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Compatible Accessories



Hanging Installation

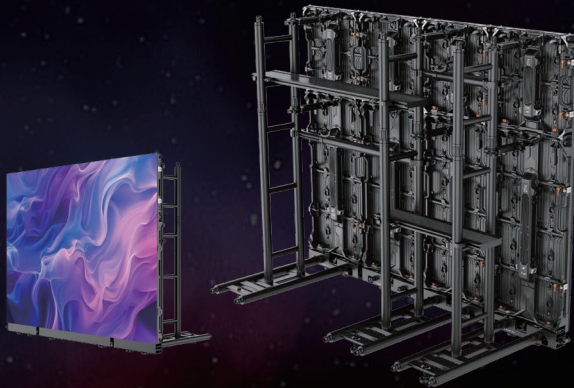
- Maximum hanging height ≤10m
- Optional 500mm and 1000mm all-black hanging bars

Stacking Installation

- Maximum stacking height ≤5m

Compatible accessories

- Compatible with NT and PL series accessories and new hanging and stacking dual-purpose beam



Rental & Staging Display Service Solution

- **Choose from standard packages to suit your needs:**
This premium solution offers three key benefits – Fast Response, Hassle-Free Repair, and Comprehensive Support – to ensure seamless and secure display operations for your business.
- **Super Guardian Support Package**——Your Tailored One-Stop Support!
- **Five Premier Services:**
RMA Supplementary, On-Site Event Support, Pixel by Pixel Calibration Services, Customized Specialized Training Services, and On-Site Training Services, are offered in flexible combinations to fit your needs!

Standard set meal	Super Guardian Support Package	
	Contents	Service Frequency
	Advanced technical support services	Unlimited usage throughout the year
	On-site Repair Service	Twice a year or 10 days a year subject to the first condition achieved
	RMA service	200 pieces per year



- Note:**
- Service solutions are purchased on an annual basis, with a minimum procurement cycle of one year. Stacked purchases are supported (such as 2 years, 3 years, etc.). The service validity period takes effect from the date of contract signing and automatically terminates upon the expiration of the service cycle. Unconditional renewal is supported.
 - After the service package takes effect, it can fully cover all Absen products.