

NHV Series

Outdoor LED Display

IP67 High Protection

NHV Series outdoor LED displays are designed with durability and reliability in mind, boasting a high protection level to withstand various environmental conditions. With a 45° beveled edge, the displays can meet the needs of special-shaped splicing video walls, such as those with 90 corners. The display's module and control/power boxes are independent from one another, improving uniformity and eliminating heat influence.

- > Right-angle and convex solution ready.
- > The modules are connected in star link instead of daisy chain to avoid the inline failure.
- > Single cable connection for both power and data to simply the cabling. The waterproof airplug to the control/power backpack provides the stable connection.
- > The module and control/power box are independent to each other, to improve the uniformity and eliminate the heat influence.



7680Hz High Refresh Rate

- > The image is very stable under the cameras of the mobile phones.
- > Barcode is readable by the mobile phones to enable a more efficient interactive advertisement.



HDR High Dynamic

- > 7500nit white balance brightness up to.
- > 3000~10000K color temperature adjustable color realistic.



45 Degree Beveled Edge Design

Can be spliced into right angles or curved shapes.



SPECIFICATIONS

Item	NHV3	NHV4	NHV6	NHV8	NHV10	NHV3H	NHV4H	NHV6H	NHV8H	NHV10H
Pixel Configuration	SMD	SMD	SMD	SMD	SMD	SMD	SMD	SMD	SMD	SMD
Pitch (mm)	3.3	4	6.6	8	10	3.3	4	6.6	8	10
Module Resolution (WxH)	96x144	80x120	48x72	40x60	32x48	96x144	80x120	48x72	40x60	32x48
Module Size (mm)(WxHxD)	320x480x20									
Module Weight (Kg)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Module Composition (WxH)	4x2	4x2	4x2	4x2	4x2	4x2	4x2	4x2	4x2	4x2
Cabinet Resolution (WxH)	384x288	320x240	192x144	160x120	128x96	384x288	320x240	192x144	160x120	128x96
Cabinet Size (mm)(WxHxD)	1280x960x75									
Unit Area (m ²)	1.2288	1.2288	1.2288	1.2288	1.2288	1.2288	1.2288	1.2288	1.2288	1.2288
Weight (kg/m ²)	26	26	26	26	26	26	26	26	26	26
Pixel Density (pixel/m ²)	90000	62500	22500	15625	10000	90000	62500	22500	15625	10000
Surface Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Brightness Calibration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Color Calibration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Brightness (nits)	4000~4500	4500~5000	4500~5000	4500~5000	4500~5000	5000~6000	6000~7500	6500~7000 / 7500~8500 / ≥10000		
Color Temperature (K)	3000—10000 Adjustable									
Horizontal Viewing Angle (°)	150	150	150	150	150	150	150	150	150	150
Vertical Viewing Angle (°)	150	150	150	150	150	150	150	150	150	150
Deviation of LED Luminance Center	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Brightness Uniformity	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
Chromaticity Uniformity	±0.003Cx,Cy within									
Contrast Ratio	3000:1	3000:1	3000:1	3000:1	3000:1	3000:1	3000:1	3000:1	3000:1	3000:1
Max Power Consumption (W/m ²)	720	720	720	720	720	720	720	720	720	720
Average Power Consumption (W/m ²)	295	285	265	255	240	295	285	265	255	240
Power Supply	AC100 ~ 240V (50/60Hz)									
Drive Mode	Constant current drive									
Scanning Mode	12s	10s	6s	4s	2s	12s	10s	6s	4s	2s
Frame Rate (Hz)	50&60	50&60	50&60	50&60	50&60	50&60	50&60	50&60	50&60	50&60
Refresh Rate (Hz)	3840	3840	3840	3840	3840	3840	3840	3840	3840	3840
Grey Level (bit)	16	16	16	16	16	16	16	16	16	16
Lifetime (hrs)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
IP Level	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Operation Temperature (°C)	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50	-30 ~ 50
Storage Temperature (°C)	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60
Operation Humidity (RH)	10~80% no condensation									
Storage Humidity (RH)	10~85% no condensation									

Remark: Above data is subject to change without prior notice



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