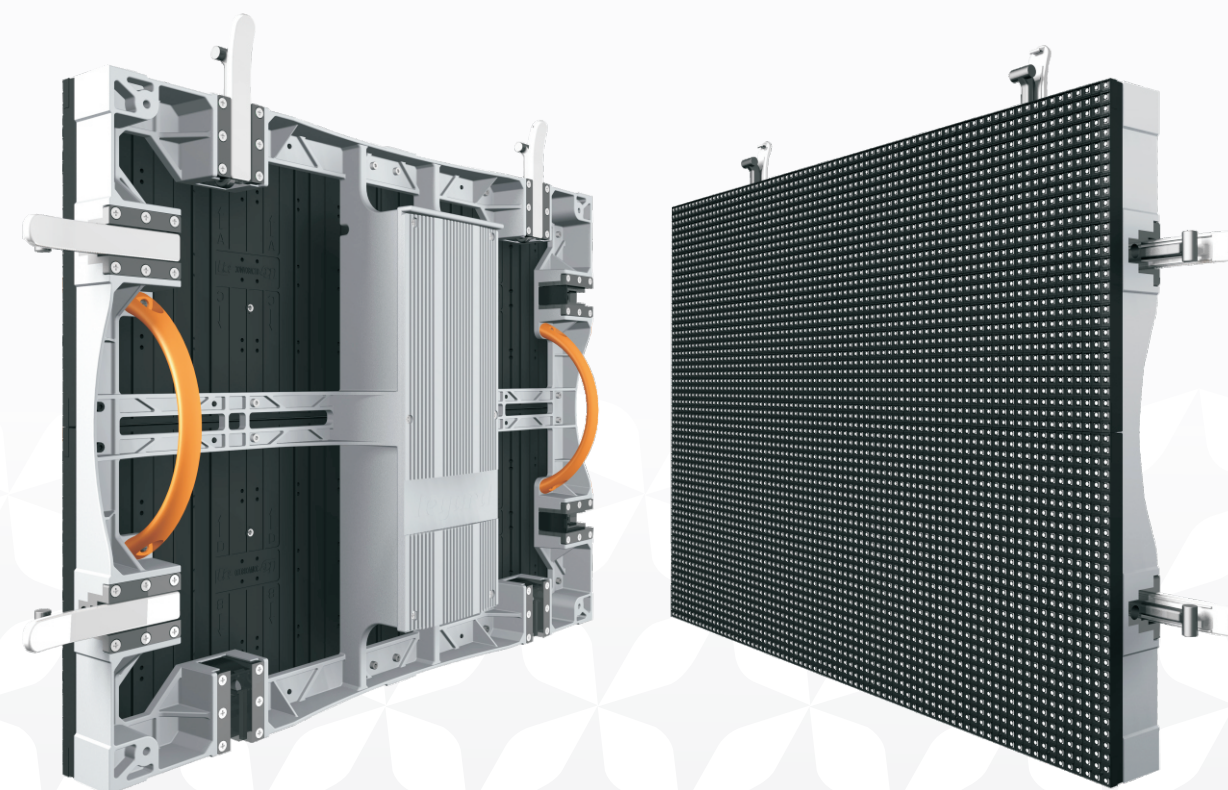
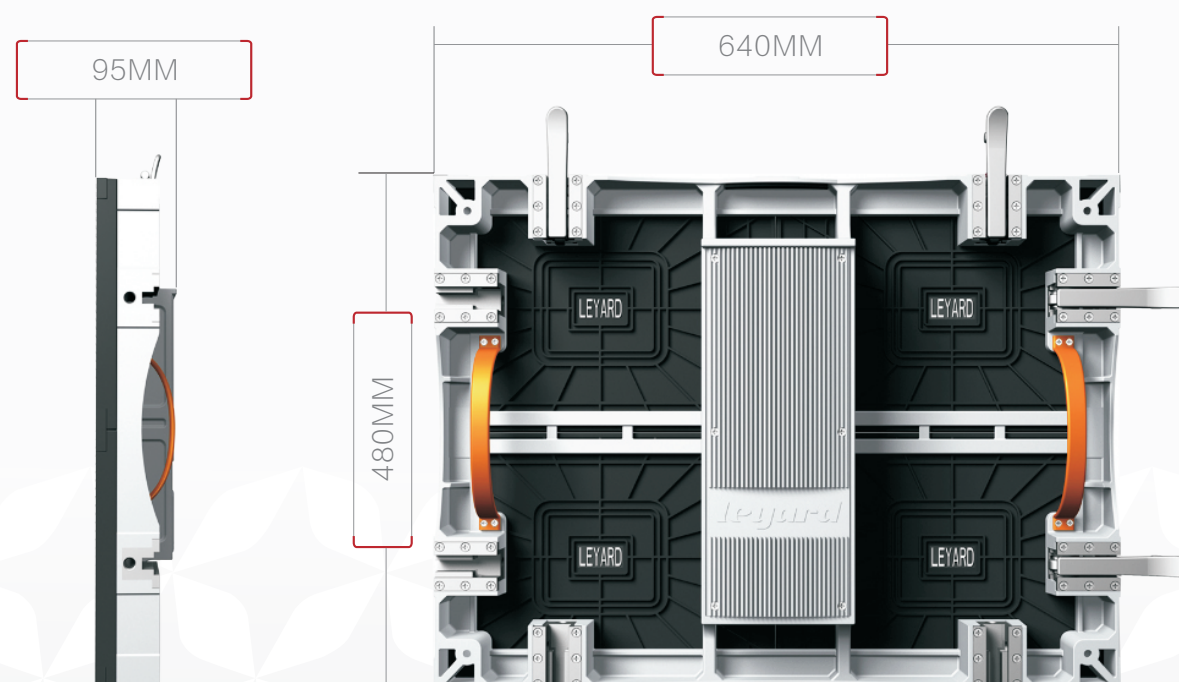


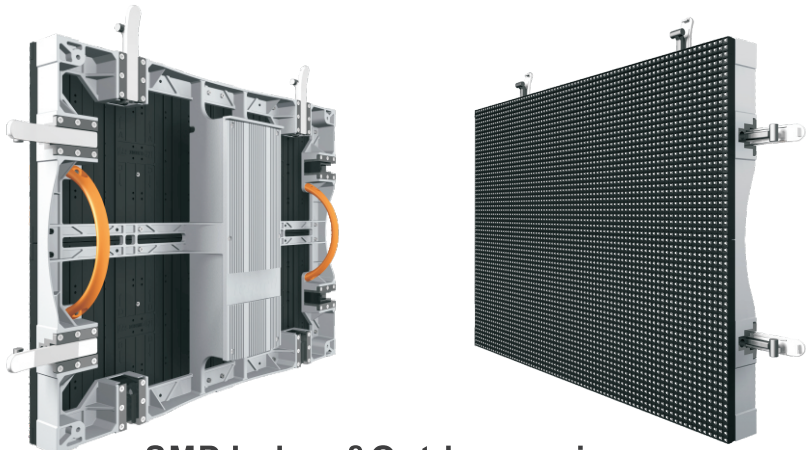
NV Series

New Generation of Intelligent System
For Rental & Fix Installation

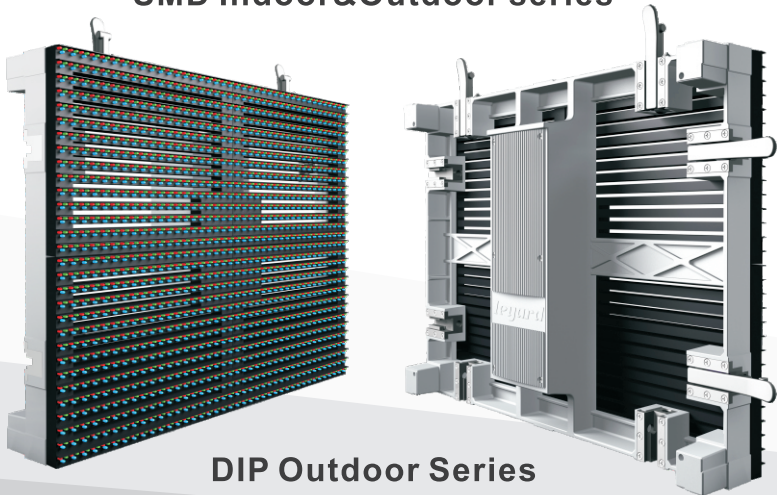


Summary

Model Rules



SMD Indoor&Outdoor series



DIP Outdoor Series

NV Series products are newly released LED Panels from Leyard. Leyard Team developed and released such new generation LED Panels base on fully understanding the market demand for LED big screens, as well as integrating the current product range and new product development roadmap. It can be used for outdoor rental and fix installation. With the features of weather-resistance, flexible and easy installation, wide application, thin, slim and stylist look, high technology standards.

NV is as main part of the Model Number
S – Outdoor SMD LED
G– LEDs made in China
N– Nichia LED Lamps
r– Rental Type

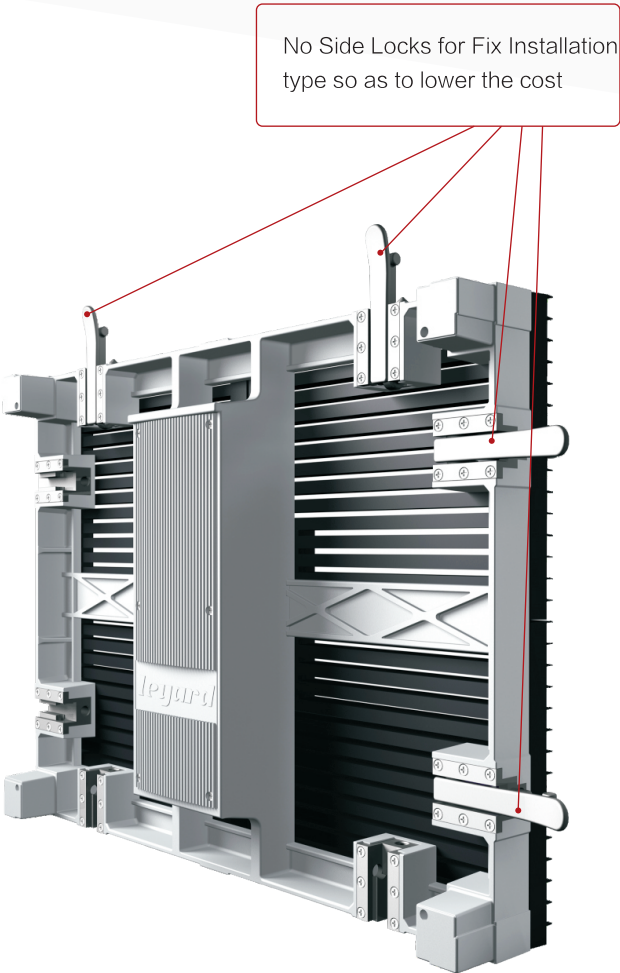
NV Series Model List

		Fixed Installation	Rental
Outdoor	DIP LED	NV16A,(MESH) NV16B NV20A,(MESH) NV20B NV25A,(MESH) NV25B	rNV16A, rNV16B rNV20A, rNV20B rNV25A, rNV25B
	SMD LED	NV6S,NV8S, NV10S,NV16S	rNV6S,rNV8S, rNV10S,rNV16S
Indoor	SMD	Nv6, NV8	rNV6, rNV8

P10, P16 and P20 can be front maintenance.

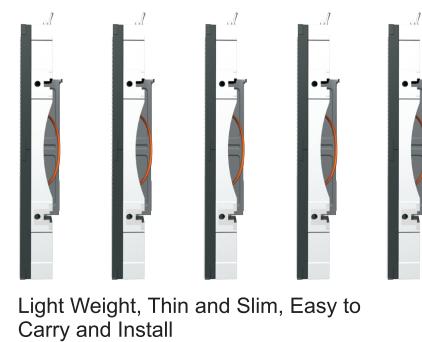
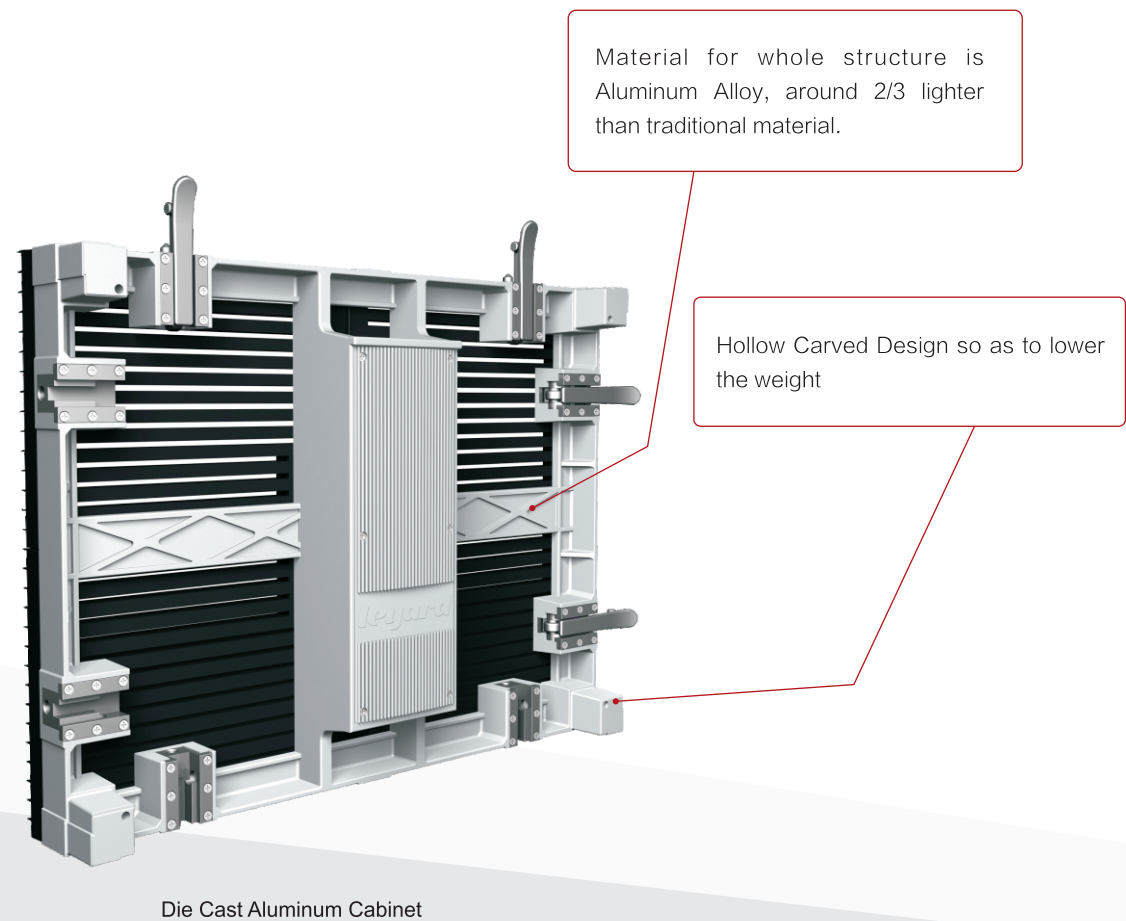
Difference between Fixed Installation Type and Rental Type LED Panels

The difference lies in the side locks: The rental type is equipped with side locks while fix installation type not.



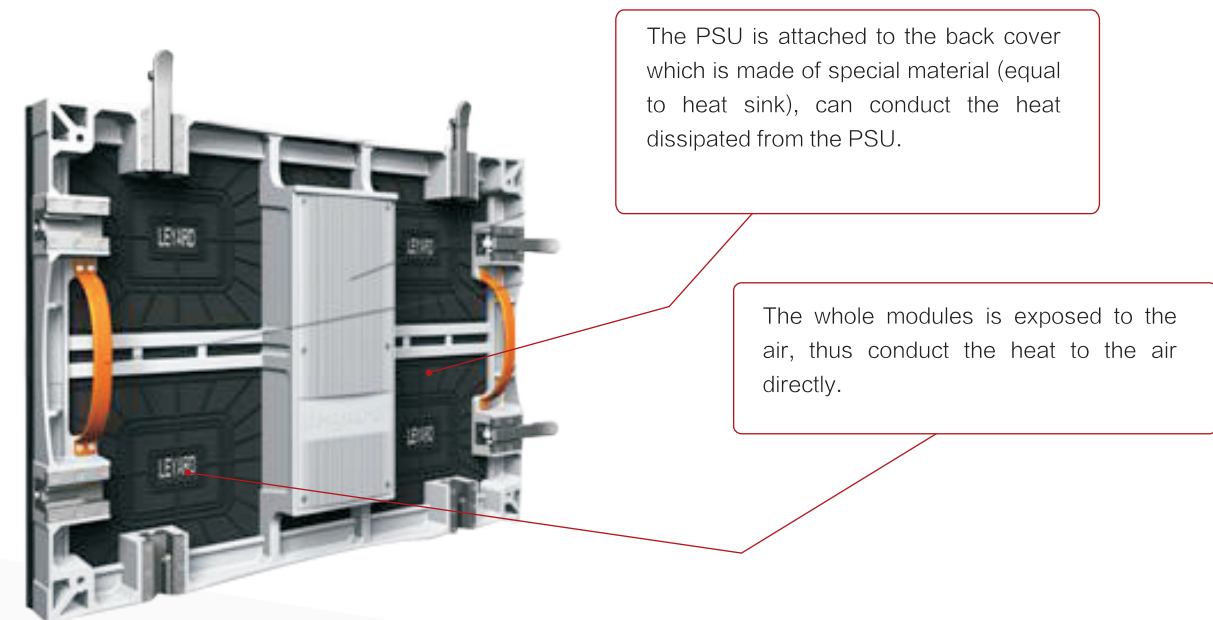
Technical Features

Optimal Heat Dissipation



Natural heat dissipation for the whole LED Panel. The main structure is constructed by Aluminum which has high coefficient of heat conductivity. The heat dissipated from the Power Supply Units can be conducted into the air with high efficiency, so no extra fans needed for cooling.

At the same time, with such heat dissipation way, **no air-conditioning system needed** for cooling system, thus highly decrease the engineering cost, avoid unnecessary waste.

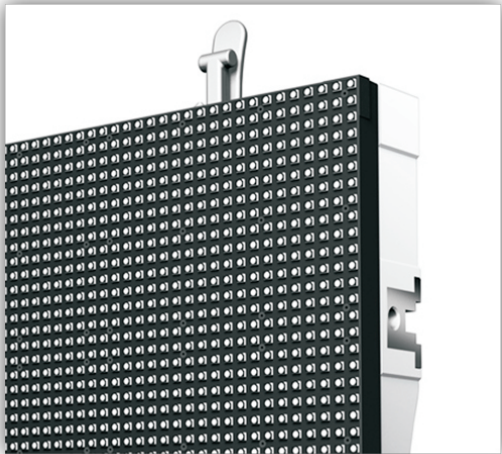


PSU with PFC function

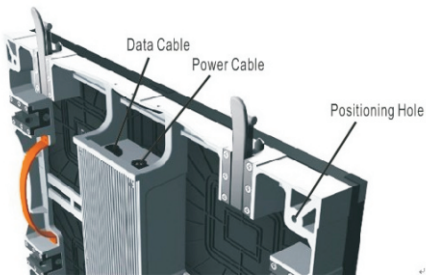


We adopts compact, high power efficiency and high power conversion efficiency Power Supply Units to the NV series products, so as to decrease the weight and power consumption for the LED screen, and also make the LED Panel looks more stylish.

Wide Application



The LED Module can be replaced easily. The screen can be for fix installation or for rental. P10, P16 and P20 can be front maintenance. The LED screen can be used indoor and outdoor with weather resistance. The weight and thickness is much lower, convenient for transport and installation.



Silent Design

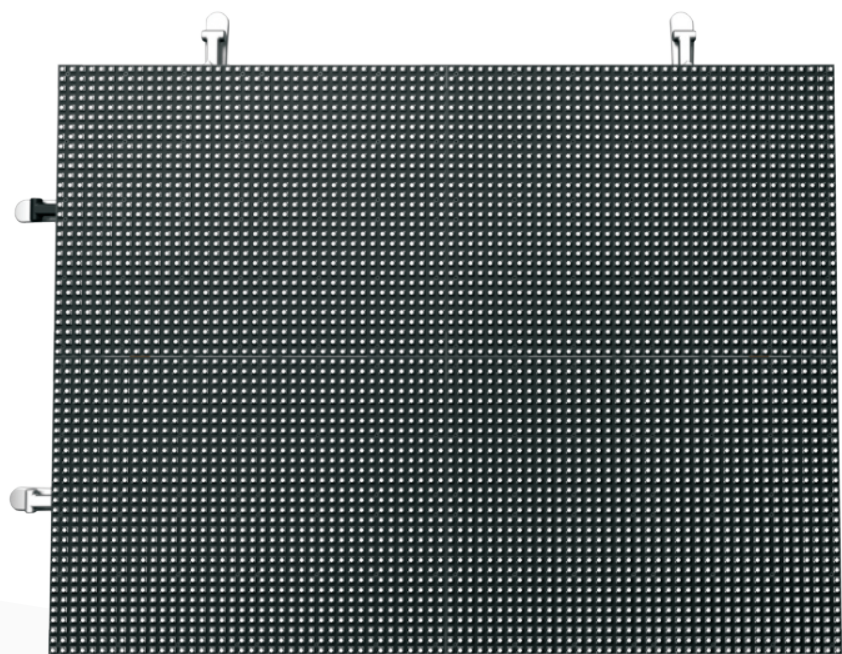
The LED panel is equipped with PSU but no fans, so no noise occurred when running.

Hight Protection Level

Integrated Design for the cabinet, protection level can be IP65 front and IP65 Back.



High Refresh Rate



NV Series adopts MBI 5035 Driving IC. High refresh rate and low power consumption.

Indoor Solution			
Model		NV6	NV8
Module	Pixel Configuration	3 in 1 LED	3 in 1 LED
	Pixel Configuration(mm)	6. 15385	8
	Module Resolution(WxH)	52 x 39	40 x 30
	Module Dimensions(mm)	320 (W) x240 (H) x15 (D)	320 (W) x240 (H) x15 (D)
	Module Weight(kg)	0.75	0.75
Cabinet	Max. Power Consumption per Module(W)	21	21
	Module Qty per Cabinet(WxH)	2 x 2	2 x 2
	Cabinet Physical Resolution(WxH)	104 x 78	80 x 60
	Cabinet Dimensions(mm)	640 (W) x 480 (H) x 95 (D)	640 (W) x 480 (H) x 95 (D)
	Cabinet Surface Area(m²)	0.3072	0.3072
Optical Specifications	Weight(kg/Cabinet; kg/m²)	12 ; 39	12 ; 39
	Pixel Density(Pixels/m²)	26, 406	15, 625
	Cabinet Flatness(mm)	≤0.5	≤0.5
	Single LED Brightness Calibration	Yes	Yes
	Single LED Color Calibration	Yes	Yes
	Brightness Before Calibration(nits)	≥ 1800	≥ 1800
	White Balance Brightness(nits)	≥ 1500(6500K,After Calibration)	≥ 1500(6500K,After Calibration)
	Color Temperature(K)	3,200–9,300 Adjustable	3,200–9,300 Adjustable
	Horizontal Viewing Angle(°)	160	160
	Vertical Viewing Angle(°)	120	120
Electrical Specifications	Light Centre Distance Deviation	<3%	<3%
	Brightness Uniformity	≥97%	≥97%
	Color Uniformity	Within ±0.003Cx,Cy	Within ±0.003Cx,Cy
	Max. Contrast Ratio	3000:1	3000:1
	Max Power Consumption (W/Cabinet; W/m²)	250 ; 833	250 ; 833
Processing	Average Power Consumption (W/Cabinet; W/m²)	83 ; 277	83 ; 277
	Power Supply	AC85~264V (50~60Hz)	AC85~264V (50~60Hz)
	Driving Mode	Constant Current Drive	Constant Current Drive
Operation Specification	Frame Rate(Hz)	50&60	50&60
	Refresh Rate(Hz)	≥ 1920	≥ 1920
	Lifetime (Half Brightness)	100,000Hrs	100,000Hrs
	Operating Temperature Range(°C)	0–40	0–40
	Storage Temperature Range(°C)	–10–50	–10–50
	Operating Humidity(RH)	10 – 80% (No condensation)	10 – 80% (No condensation)
	Storage Humidity(RH)	10– 85% (No condensation)	10– 85% (No condensation)

Remark: This data sheet contains tentative information, will be changed without notice.



	Outdoor Solution					
	Model	NV6S	NV8S	NV10S	NV16S	
Module	Pixel Configuration	3 in 1 LED	3 in 1 LED	3 in 1 LED	3 in 1 LED	
	Pixel Configuration (mm)	6. 15385	8	10	16	
	Module Resolution (WxH)	52 x 39	40 x 30	32 x 24	20 x 15	
	Module Dimensions (mm)	320 (W) x240 (H) x15 (D)	320 (W) × 240 (H) × 15 (D)	320 (W) × 240 (H) × 15 (D)	320 (W) × 240 (H) × 15 (D)	
	Module Weight (kg)	0.75	0.75	0.75	0.75	
	Max. Power Consumption per Module(W)	21	21	21	21	
	Module Qty per Cabinet (WxH)	2 x 2	2 x 2	2 x 2	2 x 2	
Cabinet	Cabinet Physical Resolution (WxH)	104 x 78	80 x 60	64 x 48	40 x 30	
	Cabinet Dimensions (mm)	640 (W) x 480 (H) x 95 (D)	640 (W) × 480 (H) × 95 (D)	640 (W) × 480 (H) × 95 (D)	640 (W) × 480 (H) × 105.7 (D)	
	Cabinet Surface Area (m²)	0.3072	0.3072	0.3072	0.3072	
	Weight (kg/Cabinet; kg/m²)	12 ; 39	12 ; 39	12 ; 39	13 ; 42	
	Pixel Density (Pixels/m²)	26, 406	15,625	10,000	3906	
	Protection Level	IP65 (Front & Rear)	IP65 (Front & Rear)	IP65 (Front & Rear)	IP65 (Front & Rear)	
	Cabinet Flatness (mm)	≤0.5	≤0.5	≤0.5	≤0.5	
Optical Specifications	Single LED Brightness Calibration	Yes	Yes	Yes	Yes	
	Single LED Color Calibration	Yes	Yes	Yes	Yes	
	Brightness Before Calibration (nits)	≥6500	≥6500	≥6500	≥6500	
	White Balance Brightness (nits)	≥5500(6500K,After Calibration)	≥5500(6500K,After Calibration)	≥5500(6500K,After Calibration)	≥5500(6500K,After Calibration)	
	Color Temperature (K)	3,200–9,300 Adjustable	3,200–9,300 Adjustable	3,200–9,300 Adjustable	3,200–9,300 Adjustable	
	Horizontal Viewing Angle (°)	160	160	160	160	
	Vertical Viewing Angle (°)	120	120	120	120	
Electrical Specifications	Light Centre Distance Deviation	<3%	<3%	<3%	<3%	
	Brightness Uniformity	≥97%	≥97%	≥97%	≥97%	
	Color Uniformity	Within ±0.003Cx,Cy	Within ±0.003Cx,Cy	Within ±0.003Cx,Cy	Within ±0.003Cx,Cy	
	Max. Contrast Ratio	5000:1	5000:1	5000:1	5000:1	
	Max Power Consumption (W/Cabinet;W/m²)	250 ; 833	250 ; 833	250 ; 833	250 ; 833	
	Average Power Consumption (W/Cabinet;W/m²)	83 ; 277	83 ; 277	83 ; 277	83 ; 277	
	Power Supply	AC85~264V (50~60Hz)	AC85~264V (50~60Hz)	AC85~264V (50~60Hz)	AC85~264V (50~60Hz)	
Processing	Driving Mode	Constant Current Drive	Constant Current Drive	Constant Current Drive	Constant Current Drive	
	Frame Rate (Hz)	50&60	50&60	50&60	50&60	
	Refresh Rate (Hz)	≥1920	≥1920	≥3840	≥3840	
Operation Specification	Lifetime (Half Brightness)	100,000Hrs	100,000Hrs	100,000Hrs	100,000Hrs	
	Operating Temperature Range (° C)	–20–40	–20–40	–20–40	–20–40	
	Storage Temperature Range (° C)	–35–60	–35–60	–35–60	–35–60	
	Operating Humidity (RH)	10 – 90% (No condensation)	10 – 90% (No condensation)	10 – 90% (No condensation)	10 – 90% (No condensation)	
	Storage Humidity (RH)	10–95% (No condensation)	10–95% (No condensation)	10–95% (No condensation)	10–95% (No condensation))	

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	Outdoor Solution				
	Model	NV16A / B	NV20A / B	NV25A / B	
Module	Pixel Configuration	1R1G1B / 2R1G1B	1R1G1B / 2R1G1B	1R1G1B / 2R1G1B	
	Pixel Configuration (mm)	16	20	26.67	
	Module Resolution (WxH)	20 x 15	16 x 12	12 x 9	
	Module Dimensions (mm)	320 (W) × 240 (H) × 25 (D)	320 (W) × 240 (H) × 25 (D)	320 (W) × 240 (H) × 25 (D)	
	Module Weight (kg)	0.85	0.85	0.90	
	Max. Power Consumption per Module(W)	21	21	21	
	Module Qty per Cabinet (WxH)	2 x 2	2 x 2	2 x 2	
Cabinet	Cabinet Physical Resolution (WxH)	40 x 30	32 x 24	24 x 18	
	Cabinet Dimensions (mm)	640 (W) × 480 (H) × 95 (D)	640 (W) × 480 (H) × 95 (D)	640 (W) × 480 (H) × 95 (D)	
	Cabinet Surface Area (m²)	0.3072	0.3072	0.3072	
	Weight (kg/Cabinet; kg/m²)	13 ; 42	13 ; 42	13 .2 ; 43.5	
	Pixel Density (Pixels/m²)	3906	2500	1406	
	Protection Level	IP65 (Front & Rear)	IP65 (Front & Rear)	IP65 (Front & Rear)	
	Cabinet Flatness (mm)	≤0.5	≤0.5	≤0.5	
Optical Specifications	Single LED Brightness Calibration	Yes	Yes	Yes	
	Single LED Color Calibration	Yes	Yes	Yes	
	Brightness Before Calibration (nits)	≥6500	≥6500	≥6500	
	White Balance Brightness (nits)	≥5500(6500K,After Calibration)	≥5500(6500K,After Calibration)	≥5500(6500K,After Calibration)	
	Color Temperature (K)	3,200–9,300 Adjustable	3,200–9,300 Adjustable	3,200–9,300 Adjustable	
	Horizontal Viewing Angle (°)	120	120	120	
	Vertical Viewing Angle (°)	60	60	60	
Electrical Specifications	Light Centre Distance Deviation	<3%	<3%	<3%	
	Brightness Uniformity	≥97%	≥97%	≥97%	
	Color Uniformity	Within ±0.003Cx,Cy	Within ±0.003Cx,Cy	Within ±0.003Cx,Cy	
	Max. Contrast Ratio	6000:1	6000:1	6000:1	
	Max Power Consumption (W/Cabinet;W/m²)	250 ; 833	250 ; 833	250 ; 833	
	Average Power Consumption (W/Cabinet;W/m²)	83 ; 277	83 ; 277	83 ; 277	
	Power Supply	AC85~264V (50~60Hz)	AC85~264V (50~60Hz)	AC85~264V (50~60Hz)	
Processing	Driving Mode	Constant Current Drive	Constant Current Drive	Constant Current Drive	
	Frame Rate (Hz)	50&60	50&60	50&60	
	Refresh Rate (Hz)	≥3840	≥3840	≥3840	
Operation Specification	Lifetime (Half Brightness)	100,000Hrs	100,000Hrs	100,000Hrs	
	Operating Temperature Range (° C)	–20–40	–20–40	–20–40	
	Storage Temperature Range (° C)	–35–60	–35–60	–35–60	
	Operating Humidity (RH)	10 – 90% (No condensation)	10 – 90% (No condensation)	10 – 90% (No condensation)	
	Storage Humidity (RH)	10–95% (No condensation)	10–95% (No condensation)	10–95% (No condensation)	

Remark: This data sheet contains tentative information, will be changed without notice.

Outstanding Achievement



Horse Track project, LA
NV16S 140 m²



Sabantui 2013, Tyumen Russia
NV10S 121 m²



Project At Australia
NV8S 22 m²



Project At Kazakhstan
NV8S 22 m²



Tobacco companies celebration, Indonesia
NV8S 120 m²



Project At Australia
NV8S 22 m²



Rental Project at USA
NV8S 28 m²



Rental Project at USA
NV8S 11 m²

Outstanding Achievement



Leyard Showroom

