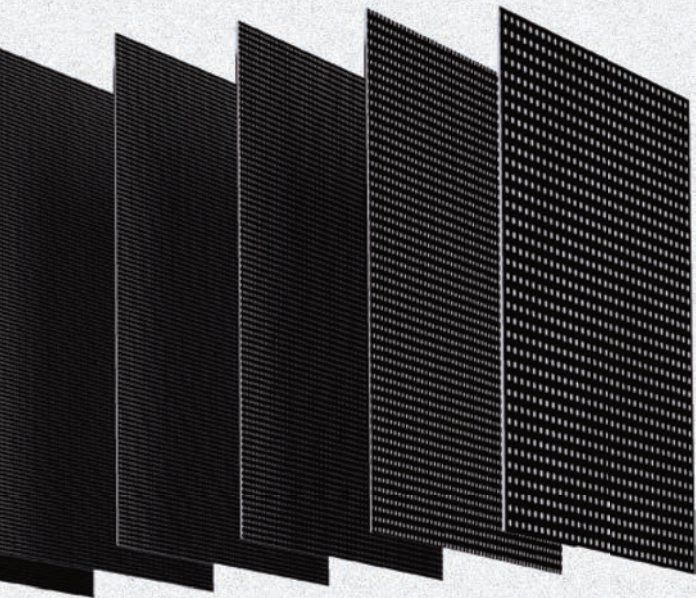
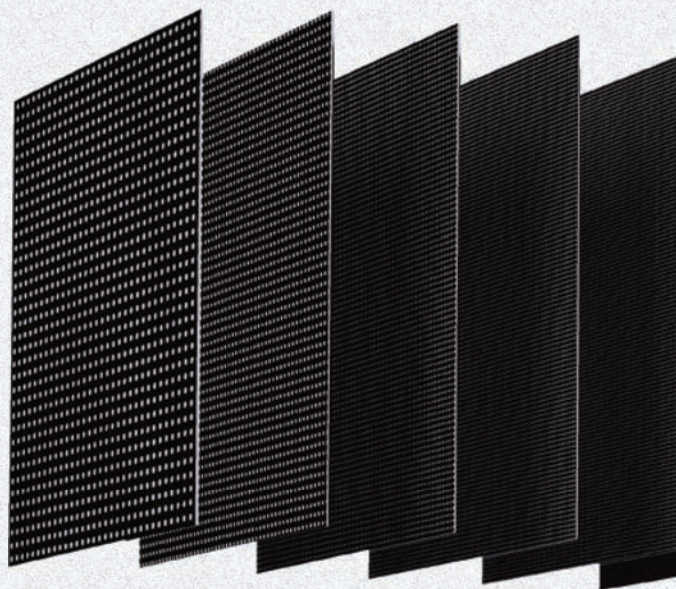




Wizard of Possibility

LED SCREEN CATALOG

www.innophoenix.co.th



ABOUT US

บริษัท อินโนฟีนิกซ์ จำกัด ก่อตั้งขึ้นในปี 2023 โดยกลุ่มคนรุ่นใหม่ที่มีประสบการณ์มากกว่า 20 ปี ด้าน ระบบภาพ แสง สี เสียง และ บริหารงานโครงการ เราเป็นผู้เชี่ยวชาญงานออกแบบและสร้างสรรค์ Solutions ให้เหมาะสมกับความต้องการ และงบประมาณ ของลูกค้าที่แตกต่างกันและหลากหลาย พร้อมทั้งสามารถดูแลงานติดตั้งทั้งระบบงานโครงการแบบ Turn-Key ด้วยทีมงานมืออาชีพที่ทุ่มเทและมีประสบการณ์ เพื่อให้ลูกค้า สะดวกสบายกับการบริการแบบ One Stop Service ของเรา

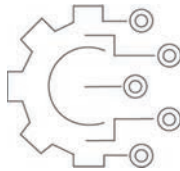
PRODUCT GROUP



LED Screen

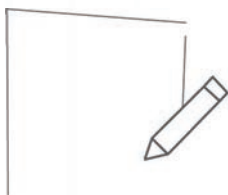


LED Lightbox

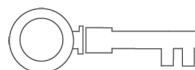


LED Lighting Control & Integrated Sys.

SOLOUTIONS



Design



Turn-Key Project

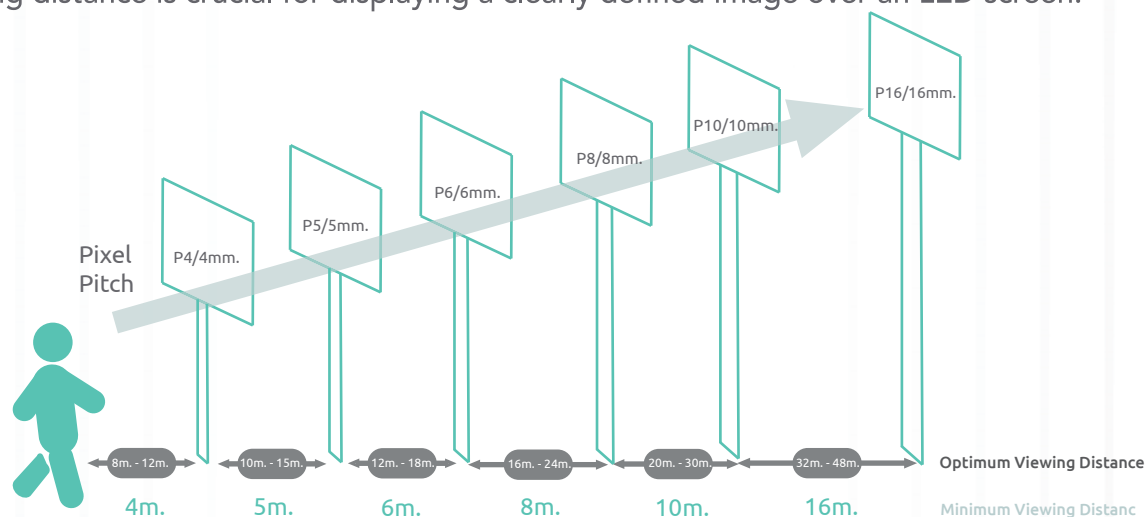


Project Management

DID YOU KNOW ?

It is important to note that the screen size and the viewing distance play an essential role in determining the pixel pitch with a good resolution. The minimum viewing distance can be approximated by deciding on your audience and the location of your advertising LED display. For example, an advertising LED display is mounted on a wall outside a shop located in an area with a lot of car traffic and minimal pedestrian traffic. This screen should have a viewing distance of 8 meters, as it needs to be visible to car drivers because they are the primary audience in this scenario.

Similarly, the total screen size is also essential as, according to the research, a larger screen is more impactful than a smaller screen, irrespective of the screen resolution. Furthermore, all pixels, regardless of their pitch, will look the same at a certain distance. Thus, viewing distance is crucial for displaying a clearly defined image over an LED screen.



Pixel Pitch: As mentioned earlier, it refers to the distance between adjacent LED clusters on an LED screen. Viewers can view the screen closely without seeing the individual LED lights for a finer pitch. On the other hand, for a higher pitch, the minimum viewing distance increases. A typical rule is that an efficient viewing distance refers to 10 feet for each millimeter of the pitch. In addition, individual LED lights turn visible at a range closer than the minimum viewing distance, and the whole experience is ruined.

Resolution: The resolution of the advertising LED display is of utter importance because the top quality of the LED display is very different from the top quality of the LCD. Eventually, it comes down to what is displayed, and the appropriate resolution since each LED display module consists of a few hundred pixels and not thousands.



LED SCREEN DISPLAY SOLUTION



LED SCREEN INDOOR

Product

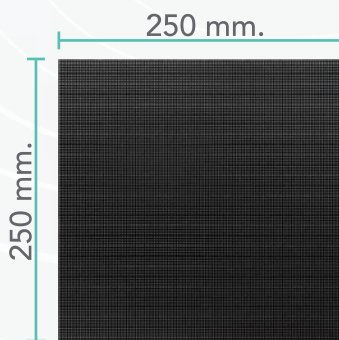
Premium

WALLPAD

main panel



assisted panel

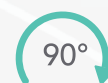


Super Flexibility to Meet the Required Sizes

wallPad is able to fit width & height of the wall separately
by times of 250mm

Powerful Main Panel, Universal and Cost Effective

The main panel 500x1000mm that can turn 90° while modules (all remained parts) stay same solves most of the required sizes on screen.



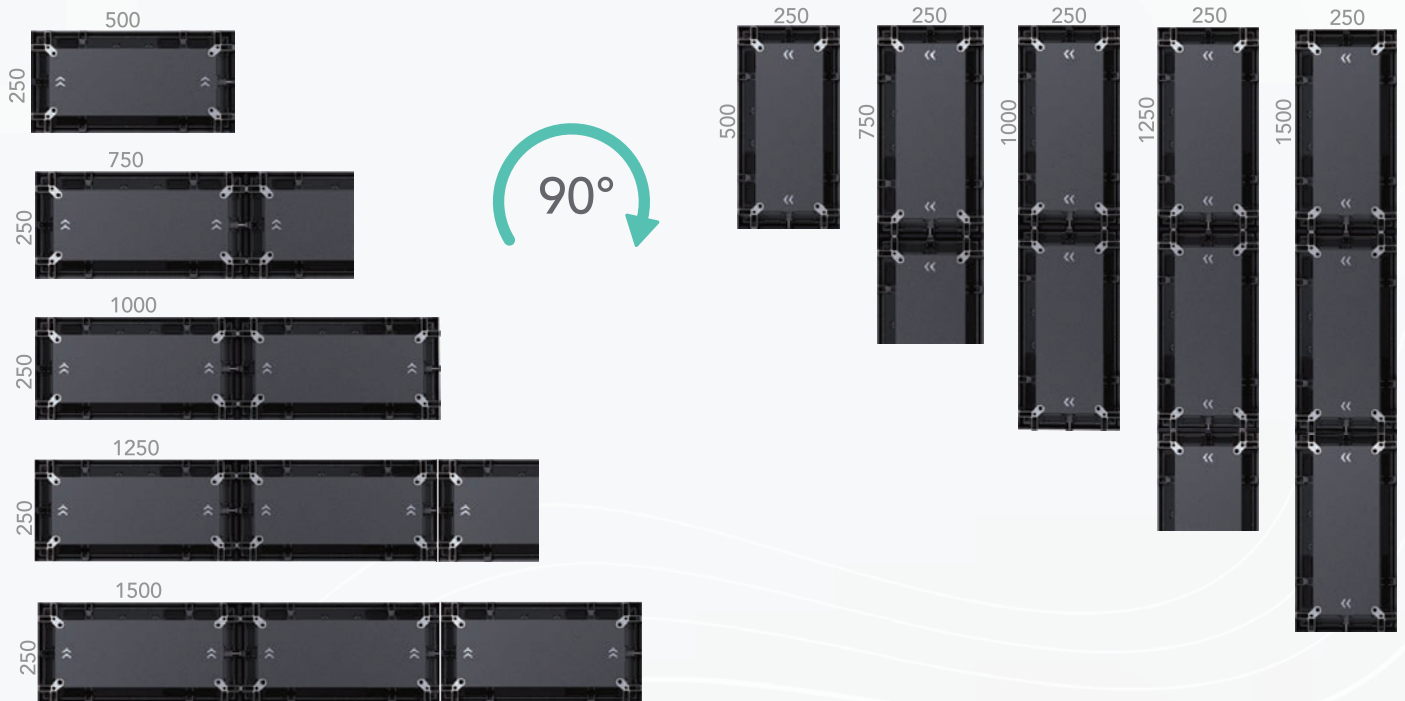
Product

Premium

WALLPAD

Magic Assisted Panel

The assisted panel is able to extend on times of 250mm and to turn 90°
(module, hubs... stay same), super flexible to fit the remaining 250mm in a screen



Bracket Free

wallPad can be directly mounted against wall
when the wall is smooth and flat and screen size
is not big, less than 20m² for example.

Product

Premium

WALLPAD

Lightweight

19 kg/m²

Thin

44 mm.

High Strength

The chassis has been tested to a breaking point of 3 tons, using a safety factor of 10, 30m of wallPad (without extra bracket) can safely hang vertically and seamlessly.

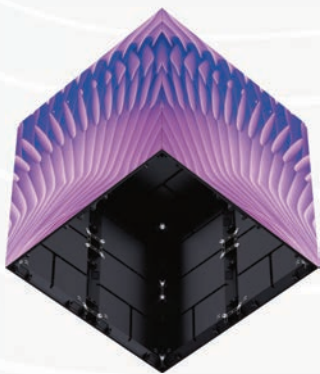


max 30M.

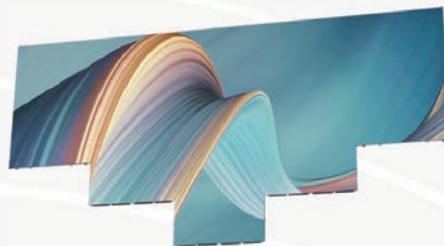
Creative Installation

wallpad allows you to realize many creative solutions.

In addition to standard designs, wallPad panels can curve, at right angles and more, let your imagination be the limitation.



90° & cubic
(Min: 250x250 x 500mm)



More...



customized figure and letter



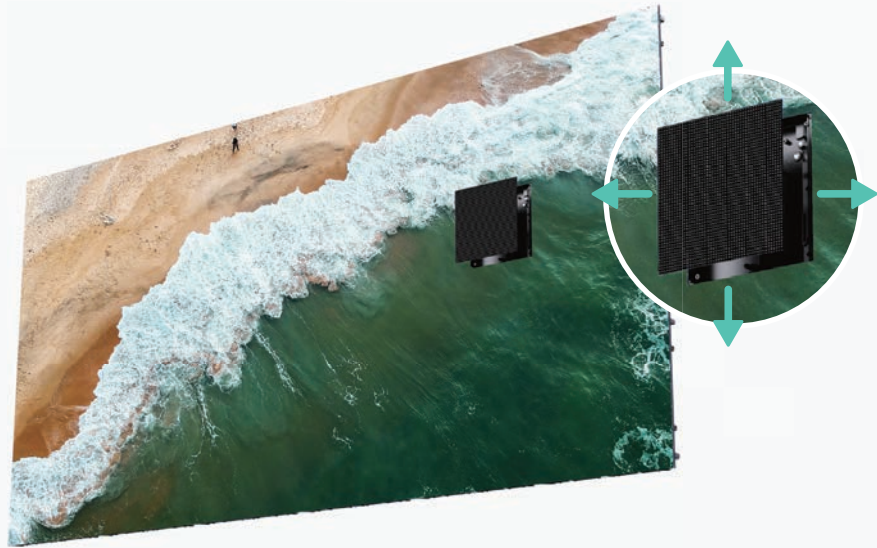
Curved

Product

Premium WALLPAD

Making a Seamless Wall

wallPad allows each module to be adjusted slightly left, right, up or down, to have a seamless joint between modules.

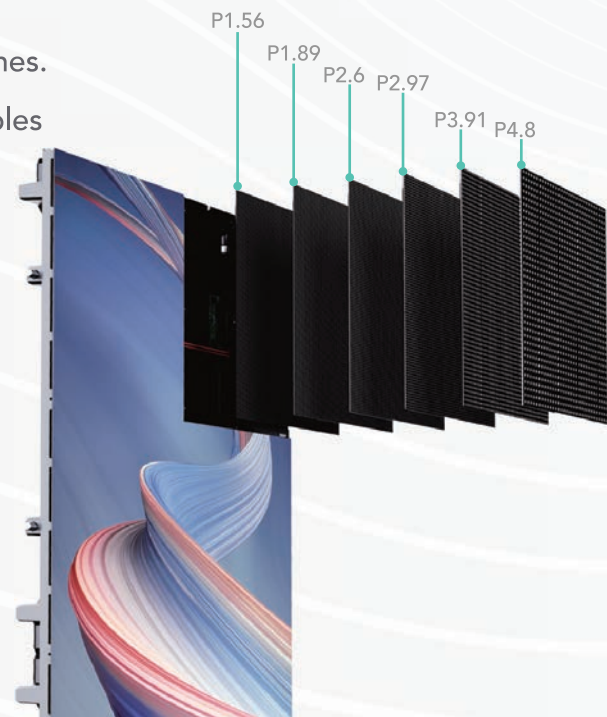


Easy Maintenance

Modules and the remained parts are front accessible

Powerful Compatibility

One chassis with same internal composition for all available pitches. All parts including module, powersupply, receiving card, hub, cables etc. are interchangeable, which eases the stockings on finished panels. This feature will help save most of the cost when users upgrade or retrofit the screen, what it needs is to change the modules and the spent will be around 30% of the total.



Product

Premium

WALLPAD

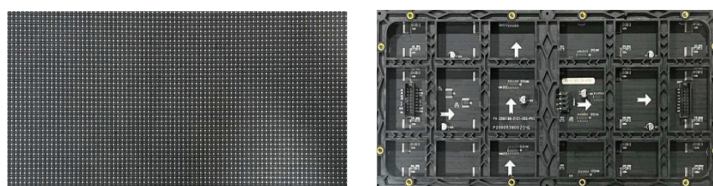
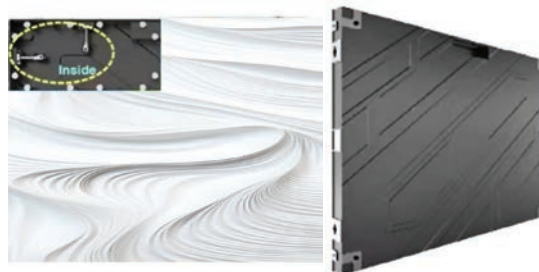
Brief Specs

Model No	P1.56	P1.89	P2.5	P2.6	P2.9	P3.9	P4.8
Pixel Pitch (mm.)	1.56	1.89	2.5	2.6	2.9	3.9	4.8
LED Configuration	SMD1212	SMD1515	SMD2020	SMD1515 SMD2020	SMD2020	SMD2020	SMD2020
Pixel Density (pixels/m ²)	409,600	278,784	160,000	160,000	112,896	65,536	43,264
Brightness (cd/m ²)	600-800	600-800	800-1000	800-1000	800-1000	800-1000	800-1000
Module Size (W x H mm.)	250x250	250x250	250x250	250x250	250x250	250x250	250x250
Resolution	160x160	132x132	100x100	96x96	84x84	64x64	52x52
Panel Size (W x H mm.)	250X	250X	250X	250X	250X	250X	250X
Panel Weight (kg/m ²)	19kg	19kg	19kg	19kg	19kg	19kg	19kg
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Power Consum. (w/m ²)	420/140	420/140	420/140	420/140	420/140	420/140	420/140
Refresh Rate	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz	≥3840Hz
Gray Scale	≥14bits	≥14bits	≥14bits	≥14bits	≥14bits	≥14bits	≥14bits

Products

Standard

Indoor



Cabinet Size (WxH) 640*480mm.

PARAMETERS	ITEM	P1.25	P1.538	P1.86	P2.0	P2.5	P3.076
LED Module	Pixel Pitch (mm.)	1.25mm.	1.538mm.	1.86mm.	2.0mm.	2.5mm.	3.076mm.
	LED Lamp type	SMD1010	SMD1212	SMD1515	SMD1515	SMD2020	SMD2020
	Pixel Density (dots/m²)	640,000	422,500	289,032	250,000	160,000	112,896
	Module Resolution (W.xH.)	256 x 1128 pixels	208 x 104 pixels	172 x 86 pixels	160 x 80 pixels	128 x 64 pixels	104 x 52 pixels
	Module Size (W.xH.)	320*160mm.	320*160mm.	320*160mm.	320*160mm.	320*160mm.	320*160mm.
LED Cabinet	Cabinet Size (W.xH.)	W.640mm.*H.480mm.					
	Cabinet Weight (Kg./Sqm.)	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Maintenance	Front	Front	Front	Front	Front	Front
Electrical Parameter	Color Temperature (K)	2000~9000K	6500~9000K	6500~9000K	6500~9000K	6500~9000K	6500~9000K
	View Angle	160/160degree	160/140degree	140/140degree	160/ 160degree	160/ 160degree	160/ 160degree
	Full Color	281trillion	281trillion	281trillion	281trillion	281trillion	281trillion
	Scan mode	1 / 64	1 / 52	1 / 43	1 / 40	1 / 32	1 / 26
	Max. Brightness (nits)	600 nits	600 nits	600 nits	800 nits	800 nits	800 nits
	Max. Power Consumption	650W/m²	450W/m²	450W/m²	450W/m²	450W/m²	450W/m²
	Avg. Power Consumption	300W/m²	150W/m²	150W/m²	150W/m²	150W/m²	150W/m²
	Power Supply	Chuang Lian	Chuang Lian	Chuang Lian	Chuang Lian	Chuang Lian	Chuang Lian
	Working Voltage (V)	220V	220V	220V	AC220V	AC220V	AC220V
	Refresh Rate (Hz)	3840Hz	3840Hz	3840Hz	3,840Hz	1,920/3,840Hz	1,920/3,840Hz

Products

Standard

Indoor



Cabinet Size (WxH) 1000*500mm.

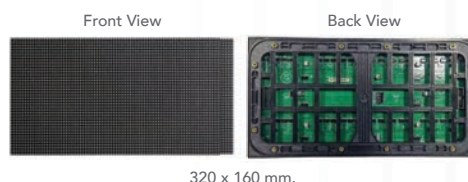
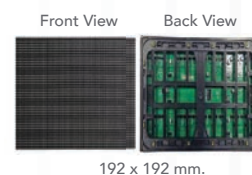
PARAMETERS	ITEM	P1.953	P2.5	P2.604	P2.976	P3.91	P4.81
LED Module	Pixel Pitch (mm.)	1.953mm.	2.5mm.	2.604mm.	2.976mm.	3.91mm.	4.81mm.
	LED Lamp type	SMD1515	SMD1515	SMD2020	SMD1515	SMD2020	SMD2121
	Pixel Density (dots/m²)	262,144	250,000	147,456	112,896	65,536	43,264
	Module Resolution (W.xH.)	128 x 128 pixels	100 x 100 pixels	96 x 96 pixels	84 x 84 pixels	64 x 64 pixels	52x 52pixels
	Module Size (W.xH.)	250*250mm.	250*250mm.	250*250mm.	250*250mm.	250*250mm.	250*250mm.
LED Cabinet	Cabinet Size (W.xH.)	W:1000mm.*H500mm.					
	Cabinet Weight (Kg./Sqm.)	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.	16 Kg./Sqm.
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Maintenance	Front	Front	Front	Front	Front	Front
Electrical Parameter	Color Temperature (K)	6500~9000K	6500~9000K	6500~9000K	6500~9000K	6500~9000K	6500~9000K
	View Angle	140/140degree	160/ 160degree	160/ 160degree	160/ 160degree	160/ 160degree	160/ 160degree
	Full Color	281trillion	281trillion	281trillion	281trillion	281trillion	281trillion
	Scan mode	1 / 32	1 / 25	1 / 32	1 / 21	1 / 16	1 / 13
	Max. Brightness (nits)	600 nits	600 nits	600 nits	600 nits	600 nits	500 nits
	Max. Power Consumption	450W/m²	450W/m²	450W/m²	450W/m²	650W/m²	380W/m²
	Avg. Power Consumption	150W/m²	150W/m²	150W/m²	150W/m²	180W/m²	116W/m²
	Power Supply	Chuang Lian	Chuang Lian	Chuang Lian	Chuang Lian	Chuang Lian	Chuang Lian
	Working Voltage (V)	220V	AC220V	AC220V	AC220V	AC220V	AC220V
	Refresh Rate (Hz)	3840Hz	3,840Hz	3,840Hz	1,920/3,840Hz	3,840Hz	3,840Hz

LED SCREEN OUTDOOR

Products

Standard

Outdoor



PARAMETERS	ITEM	P2.5	P3	P3.076	P4
LED Module	Pixel Pitch (mm.)	P 2.5	P 3	P3.076	P4
	LED Lamp type	SMD1415	SMD1415	SMD1415	SMD1921
	Pixel Density (dots/m ²)	160,000 pixels/m ²	105,625 pixels/m ²	105,625 pixels/m ²	62,500 pixels/m ²
	Module Resolution (W.xH.)	128 x 64 pixels	64 x 64 pixels	104 x 52 pixels	80 x 40 pixels
	Module Size (W.xH.)	320 x 160 mm.	192 x 192 mm.	320 x 160 mm.	320 x 160 mm.
LED Cabinet	Cabinet Size (W.xH.)	W:960mm.*H960mm.			
	Cabinet Weight (Kg./Sq.m.)	45 Kg./Sq.m.	45 Kg./Sq.m.	45 Kg./Sq.m.	45 Kg./Sq.m.
	Cabinet Material	Steel	Steel	Steel	Steel
	Maintenance	Rear with doors	Rear with doors	Rear with doors	Rear with doors
Electrical Parameter	Color Temperature (K)	6,500 ~ 9,000K	6,500 ~ 9,000K	6,500 ~ 9,000K	6,500 ~ 9,000K
	View Angle	140°(H)/120°(V)	140°(H)/120°(V)	140°(H)/120°(V)	140°(H)/120°(V)
	Scan mode	1 / 16	1 / 13	1 / 13	1 / 10
	Max. Brightness (nits)	4,000 ~ 4,500 nits	4,000 ~ 4,500 nits	4,000 ~ 4,500 nits	4,500~5,000 nits
	Max. Power Consumption	880W	880W	880W	880W
	Avg. Power Consumption	295W	295W	295W	295W
	Power Supply	Meanwell 5V/40A	Meanwell 5V/40A	Meanwell 5V/40A	Meanwell
	Refresh Rate (Hz)	3,840Hz	3,840Hz	3,840Hz	3,840Hz

Standard

Outdoor

PARAMETERS	ITEM	P5	P6	P6.67	P8	P10
LED Module	Pixel Pitch (mm.)	P5	P6	P6.67	P8	P10
	LED Lamp type	SMD1921 / SMD2727	SMD2727	SMD2727	SMD2727	SMD3535 King Light
	Pixel Density (dots/m²)	40,000 pixels/m²	27,777 pixels/m²	22,500 pixels/m²	15,625 pixels/m²	10,000 pixels/m²
	Module Resolution (W.xH.)	64 x 32 pixels	32 x 32 pixels	48 x 24 pixels	40 x 20 pixels	32 x 16 pixels
	Module Size (W.xH.)	320 x 160 mm.	192 x 192 mm.	320 x 160 mm.	320 x 160 mm.	320 x 160 mm.
LED Cabinet	Cabinet Size (W.xH.)	W:960mm.*H960mm.				
	Cabinet Weight (Kg./Sqm.)	45 Kg./Sqm.	45 Kg./Sqm.	45 Kg./Sqm.	45 Kg./Sqm.	48 Kg./Sqm.
	Cabinet Material	Steel	Steel	Steel	Steel	Iron
	Maintenance	Rear with doors	Rear with doors	Rear with doors	Rear with doors	Rear Service
Electrical Parameter	Color Temperature (K)	9,000K ~ 10,000K	6,500 ~ 9,000K	6,500 ~ 9,000K	6,500 ~ 9,000K	6500K
	View Angle	120°(H)/120°(V)	140°(H)/120°(V)	140°(H)/120°(V)	140°(H)/120°(V)	140°(H)/120°(V)
	Scan mode	1/8	1 / 8	1 / 6	1 / 4	1/2
	Max. Brightness (nits)	5000~5500 nits	5,500 ~ 6,000 nits	5,500 ~ 6,000 nits	6,000 ~ 6,500 nits	7000 nits
	Max. Power Consumption	880W	880W	880W	880W	880W
	Avg. Power Consumption	285W	295W	295W	295W	287W
	Power Supply	Meanwell 5V/40A	Meanwell 5V/40A	Meanwell 5V/40A	Meanwell 5V/40A	Meanwell
	Refresh Rate (Hz)	3,840Hz	3,840Hz	3,840Hz	3,840Hz	3,840Hz



SOLUTIONS

MAKER

SOLUTIONS

MAKER

SOLUTIONS

MAKER

SOLUTIONS

MAKER