

# SMD VIDEO WALL



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# INDOOR SMD LED VIDEO WALL

Cherry Corp USA is offering Indoor SMD-based solutions for Commercial and as well as Public Environments. Indoor SMD displays are widely used as screens for the use of SMD video walls, or for indoor concerts. SMD LED Video Wall Technology is becoming an increasingly popular solution due to its seamless image, to any size, transforming into any shape and excellent optical characteristics. With advanced Technology and design innovation.

01

## **Gorgeous Picture :**

Non-reflective screen, which brings better viewing experience.

02

## **Perfect Image :**

Our products use special IC for LED screen which owns high refresh rate and achieves no shadows.

03

## **Light Weight :**

The body uses aluminum profile stitching weighing 5-8kg, which is light and non- corrosive.

04

## **Elegant Appearance :**

We adopt CNC processing technique to produce standard module and cabinet which can easily do seamless assemble .

05

## **Standard Size :**

We use professional buckles and standard modular panels which can snap together easily.

06

## **Easy Setup :**

Back modules are made easier for connection.



07

**Led Advertisement Player Energy - Saving:**

Our products get low energy cost and high efficiency.

08

**LED Video Wall High Brightness:>4500cd/sqm :**

The screen picture can be seen far away, and won't result in light pollution in the same time.

09

**Easy for Installation and Disassembly :**

Even one person can accomplish that work, which can reduce by 70% shipping cost and installation cost.

10

**LED Video Wall Multi Occasion Use :**

The display can be used in various occasions, such as stadium, cinema, theatre, hospital, hotel, museum, etc.



# Q-PRO SERIES PRODUCT SPECIFICATION

INDOOR

Product specification	Q Pro series										
	Q0.8	Q1	QL2	Q1.3	Q1-5	Q1.6	Q1.8	Q2	Q2.5	Q3	Q3.0
Driving method	1/45scan	1/40scan	1/32scan	1/29scan	1/2scan	1/32scan	1/43scan	1/40scan	1/32scan	1/32scan	1/26scan
Pixel pitch(mm)	0.888	1	1.25	1.379	1.538	1.666	1.86	2	2.5	3	3.076
Resolution(Dots)	360*180	320*160	256*128	232*116	208*104	192*96	172*86	160*80	128*64	64*64	104*52
Pixel density(Dots/m <sup>2</sup> )	1265625	1000000	640000	525625	422500	360000	288906	250000	160000	111111	105625
Module size (mm)	320*160									192*192	320*160
Brightness (cd/m <sup>2</sup> )	≥600	≥500	≥600				≥500	≥600			
Max power consumption (W/m <sup>2</sup> )	≤703	≤791	≤580	≤580	≤580	≤580	≤439	≤439	≤457	≤525	≤413
Best viewing distance (m)	≥1	≥1	≥1.3	≥1.4	≥1.C	≥1.7	≥1.9	≥2	≥2.5	≥3	≥3
Led lamp	SMD0606	SMD0808	SMD1010		SMD1212		SMD1212	SMD1515	SMD1515	SMD2020	
							SDM1515		SDM2020		
Driving IC	PWM/PWM-SS										
Input voltage(V)	≥4.2										
Refresh rate (Hz)	≥3840 (super refresh rate )										
Viewing angle	Horizontal : 160°; vertical: 160°					Horizontal:140°; vertical:130°					
Gray scale (Bits)	14-16										

# Q-E SERIES PRODUCT SPECIFICATION

INDOOR

Product specification	Q-E series				
	Q1.8	Q2	Q2.5	Q3.0	Q4
Driving method	Jan-43	Jan-40	1/32scan	1/26scan	1/20scan
Pixel pitch(mm)	1.8	2	2.5	3.076	4
Resolution(Dots)	172*86	160*80	128*64	104*52	80*40
Pixel density(Dots/m <sup>2</sup> )	288906	25000	160000	105625	62500
Module size (mm)	320*160	320*160	320*160	320*160	320*160
Brightness (cd/m <sup>2</sup> )	≥450	≥450	≥450	≥450	≥450
Max power consumption (W/m <sup>2</sup> )	≤439	≤439	≤457	≤413	≤465
Best viewing distance (m)	≥1.8	≥2	≥2.5	≥3	≥4
Led lamp	SMD1515	SMD1515	SDM2020	SMD2020	SMD2020
Driving IC	CS-PWM, PWM				
Input voltage(V)	4.5, 4.2, ≥4.2				
Refresh rate (Hz)	≥1920				
Viewing angle	Horizontal: 140°±10°; Vertical: 130°±10°				
Gray scale (Bit)	R, G, B, each 12-16bits				

# S SERIES PRODUCT SPECIFICATION

INDOOR

Product specification	S Series										
	S0.8	S1	S1.2	S1.3	S1.5	S1.6	S1.8	S2	S2.5	S3.0	S4
Driving method	1/45scan	1/40scan	1/32scan	1/29scan	1/26scan	1/32scan	1/43scan	1/40scan	1/32scan	1/26scan	1/20scan
Pixel pitch(mm)	0.888	1	1.25	1.379	1.538	1.666	1.86	2	2.5	3.076	4
Resolution(Dots)	360*180	320*160	256*128	232*116	208*104	192*96	172*86	160*80	128*64	104*52	80*40
Pixel density(Dots/m <sup>2</sup> )	1265625	1000000	640000	525625	422500	360000	288906	250000	160000	105625	62500
Module size (mm)	320*160									320*160	
Brightness (cd/m <sup>2</sup> )	≥600	≥700									
Max power consumption (W/m <sup>2</sup> )	≤703	≤791	≤580	≤580	≤580	≤580	≤439	≤439	≤457	≤413	≤465
Best viewing distance (m)		≥1	≥1.3	≥1.4	≥1.6	≥1.7	≥1.9	≥2	≥2.5	≥3	≥4
Led lamp	SMD0606	SMD0808	SMD1010		SMD1212		SMD1212 SDM1515	SMD1515	SMD1515S DM2020	SMD2020	
Driving IC	PWM/PWM-SS										
Input voltage(V)	≥4.2										
Refresh rate (Hz)	≥3840										
Viewing angle	Horizontal: 140°; vertical: 160°				Horizontal: 140°; vertical: 130°						
Gray scale (Bits)	14-16										



INDOOR  
**FLEXIBLE**  
SERIES

# INDOOR SMD LED VIDEO WALL

The flexible / bendable 15mm pitch indoor / outdoor rated LED panel designed to provide flexible designs giving you the ability to make seamless circles, curves and arches of LED video. Integrated power / data on-board and easy rigging and quick connections make this unit ideal for portable applications.

01

SMD three-in-one technology with high brightness makes the display have a ultra-wide view & vivid image while in use.

02

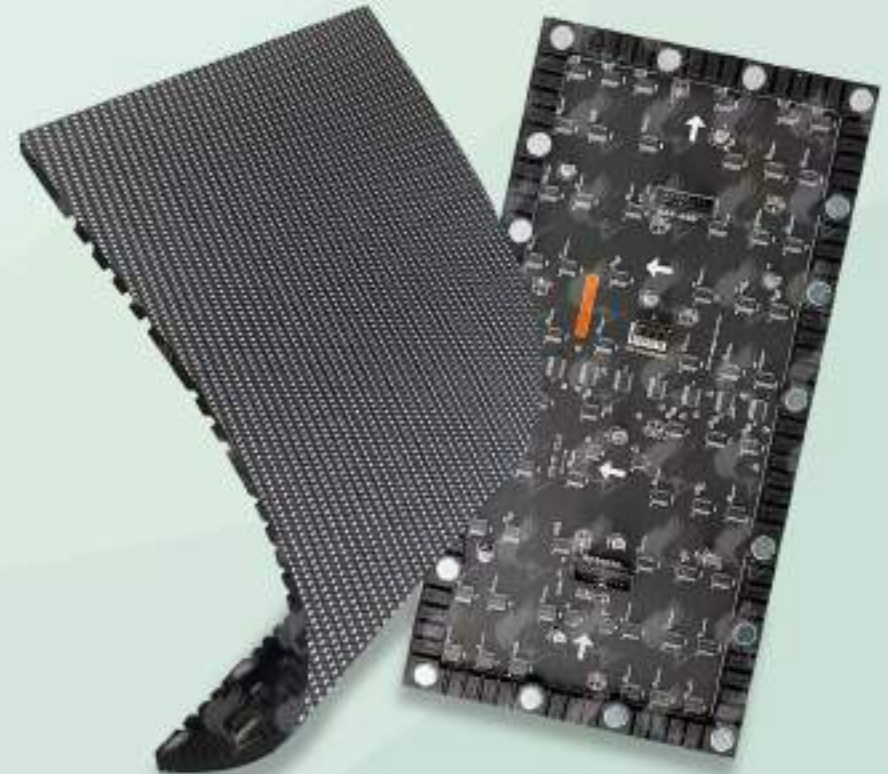
Work normally without air conditioning for low power consumption.

03

Suitable for indoor applications includes big square shopping malls,railway stations, Airport, and Corporate towers.

04

Smd led display module & cabinet is manufactured by using best quality material.





07

Clear picture without flicker and distortion.

08

The final products feature supreme quality and offer the best viewing quality.

09

High refresh rate and gray scale ensures the picture quality remains seamless.

10

All display information can be controlled by remote network. It is easy to replace the screen information with just a click of the mouse to achieve the clustering of advertising display networks in cities and regions.



# FLEXIBLE SERIES PRODUCT SPECIFICATION

INDOOR

Product specification	Flexibile Series						
	R1.8 pro	R1.8 H	R2 pro	R2 H	R2.5 E	R2.5 H	R2.5 pro
Driving method	1/43scan	1/43scan	1/40scan	1/40scan	1/32scan	1/64scan	1/64scan
Pixel pitch(mm)	1.86mm	1.86mm	2mm	2mm	2.5mm	2.5mm	2.5mm
Resolution(Dots)	172*86=14792Dots	172*86=14792Dots	160*80=12800Dots	160*80=12800Dots	128*64=8192Dots	128*64=8192Dots	128*64=8192Dots
Pixel density(Dots/m <sup>2</sup> )	288906Dots/m <sup>2</sup>	288906Dots/m <sup>2</sup>	250000Dots/m <sup>2</sup>	250000Dots/m <sup>2</sup>	160000Dots/m <sup>2</sup>	160000Dots/m <sup>2</sup>	160000Dots/m <sup>2</sup>
Module size(mm)	320*160	320*160	320*160*7.5mm	320*160*7.5mm	320*160*7.5mm	320*160*7.5mm	320*160*7.5mm
Brightness(cd/m <sup>2</sup> )	500	450	500	450	450	400	400
Max power consumption(W/m <sup>2</sup> )	≤439W/m <sup>2</sup>	≤439W/m <sup>2</sup>	≤439W/m <sup>2</sup>	≤439W/m <sup>2</sup>	≤457W/m <sup>2</sup>	≤457W/m <sup>2</sup>	≤457W/m <sup>2</sup>
Best viewing distance(m)	≥1.9m	≥1.9m	≥2m	≥2m	≥2.5m	≥2.5m	≥2.5m
Led lamp	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515	SMD1515
Driving IC							
Input voltage(V)	4.5±0.1V	4.5±0.1V	4.5±0.1V	4.5±0.1V	4.5±0.1V	4.5±0.1V	4.5±0.1V
Refresh rate(Hz)	3840Hz	3840Hz	3840Hz	3840Hz	1920Hz	3000Hz	3840Hz
Viewing angle			H: 140±10 V:130±10	H: 140±10 V:130±10	H: 140±10 V:130±10	H: 140±10 V:130±10	H: 140±10 V:130±10
Gray scale(Bits)	13-14bits	13-14bits	12-16bits	12-16bits	12-13bits	12-13bits	12-13bits