



XTREME
LIGHTING

LED Wall Expert



Outdoor LED Wall Specification

Pixel Pitch (mm)	3	3.91	6	8	10
Pixel Configuration	SMD/1921	SMD/1921	SMD/2727	SMD/3535	SMD/3535
Pixel Density (dots/m2)	111111	65536	27777	15625	10000
Module Resolution(WxH)	64 X 64	64 X 64	32 X 32	40 X 40	32 X 32
Module Size(mm)	192(W) x 192(H)	250(W) x 250(H)	192(W) x 192(H)	320(W) x 320(H)	320(W) x 320(H)
Module of cabinet (WxH)	5 x 5	2 x 4	3 x 3	3 x 3	4 x 4
Cabinet Resolution (WxH)	192 x 192	128 x 256	96 x 96	120 x 120	96 x 96
Cabinet Size (mm)	960(W) x 960(H) x 120(D)	500(W) x 1000(H) x 80(D)	576(W) x 576(H) x 77(D)	960(W) x 960(H) x 130(D)	960(W) x 960(H) x 130(D)
Cabinet area (m2)	0.9216	0.5	0.3318	0.9216	0.9216
Cabinet weight (kg)	10	8.75	9.3	9.85	9.85
Cabinet level up degree (mm)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Maintenance mode	Back	Back	Front	Front	Front
Cabinet raw Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
White Balance Brightness (nits)	> 5000(6500K)	> 5000(6500K)	> 5800(6500K)	> 6800(6500K)	> 7500(6500K)
Colour Temperature (k)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)
Viewing Angle (Horizontal/Vertical)	160/160	160/160	160/160	160/160	160/160
Deviation of center distance of light emitting	< 3%	< 3%	< 3%	< 3%	< 3%
Brightness/chromaticity uniformity	< 97%	< 97%	< 97%	< 97%	< 97%
Contrast	5000 : 1	5000 : 1	5000 : 1	5000 : 1	5000 : 1
Refresh rate	> 3840	> 3840	> 3840	> 3840	> 3840
Number of color processing bits	16bit	16bit	16bit	16bit	16bit
Video playback capabilities	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD
Applicable standards	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL

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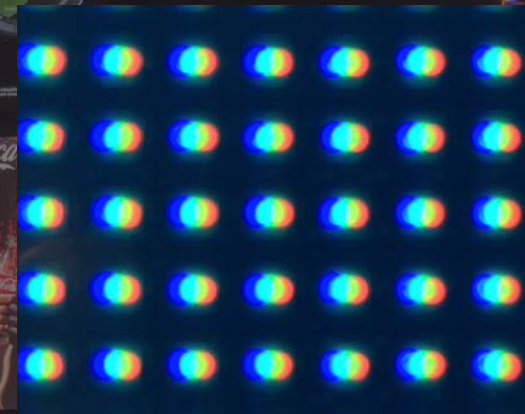
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LED Wall Density

“Pixel pitch” is the distance (usually in millimeters) between pixels. A pixel pitch is measured from the center of one pixel to the center of an adjacent pixel. Since the lowest controllable element on an LED screen is one (1) LED, the pixel pitch on an LED screen would be the distance between each LED.

The smaller the pixel pitch, the closer the LEDs are, thus the higher pixel density bringing a **“Higher Resolution Quality”**

1.25 mm



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Indoor LED Wall Specification

Pixel Pitch (mm)	2	2.5	3	4	5
Pixel Configuration	SMD/1515	SMD/2121	SMD/2121	SMD/2121	SMD/2121
Pixel Density (dots/m ²)	250000	160000	111111	62500	40000
Module Resolution(WxH)	64 X 64	64 X 64	64 X 64	64 X 32	64 X 32
Module Size(mm)	128(W) x 128(H)	160(W) x 160(H)	192(W) x 192(H)	256(W) x 128(H)	320(W) x 160(H)
Module of cabinet (WxH)	4 x 4	3 x 3	3 x 3	2 x 4	3 x 3
Cabinet Resolution (WxH)	256 x 256	192 x 192	192 x 192	128 x 128	128 x 128
Cabinet Size (mm)	512(W) x 512(H) x 80(D)	480(W) x 480(H) x 75(D)	576(W) x 576(H) x 75(D)	512(W) x 512(H) x 60(D)	640(W) x 640(H) x 77(D)
Cabinet area (m ²)	0.2621	0.23	0.3317	0.2621	0.4096
Cabinet weight (kg)	8	8.8	7.75	7.45	10.75
Cabinet level up degree (mm)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Maintenance mode	Front	Front	Front	Front	Front
Cabinet raw Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
White Balance Brightness (nits)	>1200(6500K)	>1200(6500K)	>1200(6500K)	>1200(6500K)	>1200(6500K)
Colour Temperature (k)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)
Viewing Angle (Horizontal/Vertical)	160/160	160/160	160/160	160/160	160/160
Deviation of center distance of light emitting	< 3%	< 3%	< 3%	< 3%	< 3%
Brightness/chromaticity uniformity	< 97%	< 97%	< 97%	< 97%	< 97%
Contrast	5000 : 1	5000 : 1	5000 : 1	5000 : 1	5000 : 1
Refresh rate	> 3840	> 3840	> 3840	> 3840	> 3840
Number of color processing bits	16bit	16bit	16bit	16bit	16bit
Video playback capabilities	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD
Applicable standards	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL

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Question before select

What is your **GOAL** ?

What type of **CONTENT** will you display ?

How will the LED wall be **INSTALLED** ?

What kind of **FUNCTIONALITY** will you need for hardware and software ?

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Ultra-Fine LED Wall Specification

Pixel Pitch (mm)	1.25	1.56	1.904
Pixel Configuration	SMD/1010	SMD/1010	SMD/1515
Pixel Density (dots/m2)	640000	409600	275625
Module Resolution(WxH)	160 X 135	128 X 108	84 X 84
Module Size(mm)	200(W) x 168.75(H)	200(W) x 168.75(H)	160(W) x 160(H)
Module of cabinet (WxH)	3 x 2	3 x 2	3 x 3
Cabinet Resolution (WxH)	480 x 270	384 x 216	252 x 252
Cabinet Size (mm)	600(W) x 337.5(H) x 80(D)	600(W) x 337.5(H) x 80(D)	480(W) x 480(H) x 80(D)
Cabinet area (m2)	0.2025	0.2025	0.23
Cabinet weight (kg)	8	8	8
Cabinet level up degree (mm)	< 0.2	< 0.2	< 0.2
Maintenance mode	Front	Front	Front
Cabinet raw Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
White Balance Brightness (nits)	> 600(6500K)	> 600(6500K)	> 800(6500K)
Colour Temperature (k)	3200-9300(adjustable)	3200-9300(adjustable)	3200-9300(adjustable)
Viewing Angle (Horizontal/Vertical)	160/160	160/160	160/160
Deviation of center distance of light emitting	< 3%	< 3%	< 3%
Brightness/chromaticity uniformity	< 97%	< 97%	< 97%
Contrast	5000 : 1	5000 : 1	5000 : 1
Refresh rate	> 3840	> 3840	> 3840
Number of color processing bits	16bit	16bit	16bit
Video playback capabilities	2KHD,4KHD	2KHD,4KHD	2KHD,4KHD
Applicable standards	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL	CCC,TUV-CE,ETL

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XTREME is your partner

We like to work with you, discuss with you
and share with you because

We're your lighting partner

by Daniel Li
Founder of XTREME Lighting Limited

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