

LED DISPLAYS

Outdoor LED Displays



Details:

Can play different formats of image files, flash, WAV/MIDI, video signal from TV, video signal from video and other equipment

At the same time, different video frequency can be changed freely, and the image can be enlarged and reduced

Case protection grade: IP65

Evenness degree: 2mm for whole screen, 2mm for joint between modules

Life expectancy: 100,000 hours

Out of control point: 2/10,000 (continuously)

Single case composition: 512 x 512 x 120mm

Pixel shape: square

Diameter: 11mm

Dot space: distance 16mm

Module shape: 8 x 8, with fixed reflection cover

Pixel composition: 2 red, 1 green, 1 blue

Pixel density: 3,906 dots/sqm or 2500dots/sqm or 2066dots/sqm or 1600dots/sqm

Screen brightness: $\geq 6,500$ cd/sqm

Red light parameter: wavelength 630nm, visual angle 110/45

Green light parameter: wavelength 525nm, visual angle 110/45

Blue light parameter: wavelength 470nm, visual angle 110/45

Brightness adjustment: manual adjustment according to environment

Image adjustment: white balance, contrast, vision, color temperature balance

Drive mode: static lock and save/constant current drive

Scanning frequency: > 120 Hz

Outdoor LED Displays					
Specifications for pixels					
Number	ITEM	Specifications			
1	LEDs in pixel	2PR 1PG 1PB			
2	Luminance Density	1800 mcd	20mA Static		
Specifications for LEDs					
Number	ITEM	Wavelength	Luminance Density	Made in	
1	Red LED	625nm \pm 5	400-500 mcd	JAPAN/USA/TAIWAN	
2	Green LED	520nm \pm 5	1400-1800 mcd	JAPAN/USA/TAIWAN	
3	Blue LED	465nm \pm 5	300-350 mcd	JAPAN/USA/TAIWAN	
Specifications for LED Screen					
Pitch	P16	P20	P22	P25	P31.25
Resolution Density (Pixels/m ²)	3906	2500	2066	1600	1024
Luminance Density (cd/m ²)	6000	5000	4800	4500	4000
Viewing Distance (m)	20	25	28	30	35
Max. Power Consumption (w)	1600/m ²	1000/m ²	900/m ²	700/m ²	500/m ²
Drive mode	1/4 Static				
Viewing Angle	100° (Horizontal) elevation 15° depression 45°				
Blind pixels ratio	=0.0002				
Working Voltage	AC220V \pm 15% 47-64Hz				
Weight	95KG/m ²				
Effective Control Distance	=100M (Multi-optic transfer>3000m)				
Operation temperature range	-20°C - 60°C				
Operation humidity range	10% - 90%RH				

Indoor LED Displays



Specifications for pixels

Number	ITEM	Specifications
1	LEDs in pixel	1PR 1PG 1PB
2	Luminance Density	500mcd

Specifications for LEDs

Number	ITEM	Wavelength	Luminance Density	Made in
1	Red LED	625nm \pm 5	120-140mcd	TAIWAN
2	Green LED	520nm \pm 5	400-500mcd	USA
3	Blue LED	465nm \pm 5	80-100mcd	USA

Specifications for LED Screen

Pitch	P7.62	P10
Resolution Density (Pixels/m ²)	17200	10000
Luminance Density (cd/m ²)	1500	1200
Viewing Distance (m)	5	6
Ma. Power Consumption (w)	1300/m ²	700/m ²
Drive mode	1/8 Steady current	
Viewing Angle	120° (Horizontal) elevation 60° depression 60°	
Blind pixels ratio	=0.0003	
Working Voltage	AC220V \pm 15% 47-64Hz	
Weight	25KG/m ²	
Effective Control Distance	=100M (Multi-optic transfer>3000m)	
Operation temperature range	-20°C - 60°C	
Operation humidity range	10% - 90%RH	