

OUR PRESENT IS YOUR FUTURE

LED DISPLAY



OUTDOOR FULL COLOR DISPLAY

Features of the product

- High Brightness and adjustable can meet with the changing requirements of customer in different environments
- Using virtual pixels, better viewing effects for both text & graphic and video
- Having larger viewing angle: horizontal angle 100 degrees/elevation angle 70 degrees. Getting a vivid effect within any positions of the viewing range
- Any LED in each pixel can be respectively repaired, which reduce the cost of the display maintenance.

Product Constitution & Application

- Out-door display product: each pixel including two red leds, one green led and one blue led, all leds are made in oval/round shapertely insert into the PCB
- Widely used in stadium, bank, restaurant, shopping center, government, schools, for entertainment, in enterprises and so on.
- Series: Pitch 10mm, Pitch 12mm, Pitch 16mm, Pitch 20mm, Pitch 25mm, Pitch 31.25mm



OUTDOOR LED DISPLAY SET UP



Outdoor Series (virtual pixel technology)

Pixel Pitch (Physical)	10mm	12mm	12,5mm	14mm	16mm	20mm	25mm
Virtual Pixel Pitch	-	6mm	6,25mm	7mm	8mm	10mm	12.5mm
Pixel per Spm	10,000	6,944	6,400	5,102	3,906	2,500	1,600
LEDs per pixel	1R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B
LED board (mm)	160x160	192x96	200x100	224x112	256x128	320x160	200x200
LED Board (physical pixel)	16x16	16x8	16x8	16x8	16x8	16x8	8x8
LED Board (Virtual Pixel)	-	32x16	32x16	32x16	32x16	32x16	16x16
Panel Size (mm)	960x800	960x768	1000x800	896x672	1024x768	1280x960	1200x1000
Panel Visible Graphic Definition	96x80	80x64	80x64	64x48	64x48	64x48	48x40
Panel Width (mm)	170mm~200mm						
Panel Weight (kg/panel)	45kg~80kg						
Minimum Viewing distance (m)	12.5	5	16	12	20	25	35
Horizontal viewing angle	≥110°	≥110°	≥110°	≥110°	≥110°	≥110°	≥110°
Vertical viewing angle	≥70°	≥70°	≥70°	≥70°	≥70°	≥70°	≥70°
Display refresh rate (Hz)	≥4000	≥4000	≥4000	≥9000	≥9000	≥9000	≥9000
Processing Depth (bits)	16	16	16	16	16	16	16
Colors	281 trillions	281 trillions	281 trillions	281 trillions	281 trillions	281 trillions	281 trillions
Brightness (NIT)	9000	7000	7000	6500	6000	5000	4500
Max Power Consumption (KW/panel)	1.2	1.2	1.2	1.2	1.2	1.2	0.6
Average power consumption (KW/panel)	0.6	0.6	0.6	0.6	0.6	0.6	0.3
Drive Method	1/2	1/2	1/2	Static	Static	Static	Static
Lifetime (hours)	up to 100,000	up to 100,000	up to 100,000	up to 100,000	up to 100,000	up to 100,000	up to 100,000
Ingress Protection	Front: IP65; Rear: IP54						
Input Voltage	AC 110V or AC220V ± 10%						
Input Power Frequency	50 or 60 Hz						
Operating environment	Temperature: -20°C~50°C ; Humidity: 10%~90% RH						

INDOOR LED DISPLAY

SMD (3-in-1) LED Technology

The surface mount device (SMD) Technology provides full-color capability from within a single LED package, making every package a standalone pixel. Required viewing distances are reduced and the quality of the image is optimized because the red, green and blue light blends into the package, rather than from neighboring red, green and blue LEDs. It is perfect technology for indoor large-screen video application.

Superior Uniformity

Uniformity measures the picture's consistency across a display. We performs a proprietary factory calibration process to bring all LEDs into strict color and brightness tolerances. To ensure uniformity over time, we provide the ability to visually balance replacement modules with those already in the display. This prevents the "patchwork" effect seen on many other video displays.

Exceptional Viewing

Our indoor full color displays have the highest viewing angles and brightness levels of the industry. The high brightness and high contrast help overcome harsh lighting situations, making our displays highly visible in any environment.

Multiple Communication Options

The controller supports both direct control over a fiber-optic cable and remote control over the Internet. In extra function, the remote applications, the main controller delivers advertisements and schedules to a remote controller located at the display location, the remote controller outputs content directly to the display over fiber-optic cable.



INDOOR LED DISPLAY SET UP



Indoor Series (SMD 3-in-1 Technology)

Pixel Pitch (physical)	4mm	6mm	7.62mm	8mm	10mm
Pixel per Sqm	62,500	27,777	17,222	15,625	10,000
LEDs per pixel	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED board (mm)	128x128	192x192	243.84x243,84	256x256	320x320
LED Board (physical pixel)	32x32	32x32	32x32	32x32	32x32
Panel Size (mm)	768x640	960x768	975.36x731.52	1024x768	1280x960
Panel Visible Graphic Definition	192x160	160x128	128x96	128x96	128x96
panel width	120mm~140mm				
Panel Weight (kg/panel)	30kg~50kg				
Minimum Viewing Distance (m)	5	8	10	10	12
Horizontal Viewing Angle	≥ 140°	≥ 140°	≥ 140°	≥ 140°	≥ 140°
Vertical Viewing Angle	≥ 140°	≥ 140°	≥ 140°	≥ 140°	≥ 140°
Display refresh rate (Hz)	≥1100	≥1100	≥1100	≥1100	≥1100
Processing depth (bits)	16	16	16	16	16
Colors	281 trillions	281 trillions	281 trillions	281 trillions	281 trillions
Brightness (NIT)	3000	2800	2500	2200	2000
Max. power consumption (Kw/panel)	1.2	0.9	0.6	0.6	0.6
Average Power consumption (Kw/panel)	0.5	0.4	0.3	0.3	0.3
Drive method	1/8	1/8	1/8	1/8	1/8
Lifetime (Hours)	up to 100,000	up to 100,000	up to 100,000	up to 100,000	up to 100,000
Input Voltage	AC110V or AC220V ± 10%				
Input Power Frequency	50 or 60 Hz				
Operating Environment	Temperature: -20°C~50°C; Humidity: 10%~90% RH				

SYSTEM CONNECTION DIAGRAM

