

Specifications

Specifications list	PH10	PH12	PH14	PH16	PH20	PH25	PH31.5
Pixel Pitch	10mm	12mm	14mm	16mm	20mm	25mm	31.25mm
Module resolution	16*16	16*16	16*8	16*8	16*8	8*8	8*8
Module size(mm*mm)	160*160	192*192	224*112	256*128	320*160	200*200	250*250
Pixel constitution	1R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B	2R1G1B
Pixel density	10000/m ²	6944/m ²	5102/m ²	3906/m ²	2500/m ²	1600/m ²	1024/m ²
LED encapsulation	346	346	546	546	546	546	546
Frame Frequency	≥60hz/s	≥60hz/s	≥60hz/s	≥60hz/s	≥60hz/s	≥60hz/s	≥60hz/s
Refresh Rate	≥400hz/s	≥400hz/s	≥400hz/s	≥400hz/s	≥400hz/s	≥400hz/s	≥400hz/s
The best viewing distance	5-55m	8-66m	12-80m	15-88m	20-110m	20-160m	20-160m
The best viewing angle	120°	120°	120°	120°	120°	120°	120°
Luminance	5000cd/m ²	7000cd/m ²	5500cd/m ²	8500cd/m ²	5500cd/m ²	4500cd/m ²	5500cd/m ²
Greatest power consumption	750W/m ²	550W/m ²	700W/m ²	1.0KW/m ²	750W/m ²	500W/m ²	450W/m ²
Working voltage	220V~230V/110V (can be customized)						
Grey Scale	Displaying Colors≥16.7M(synchronized)						
Brightness adjustment	256 levels of each color(R,G,B)						
Working environment temp	-40℃~60℃						
Average no failure time	>5000 hours						
Life-span	>100000 hours						

P10mm Full Color LED Display

Pixel pitch: 10mm

Pixel density: 10000dots/sq.m

Refresh rate: $\geq 400\text{hz/s}$

(1000HZ solution available)

Best viewing distance: 5-55m

Best viewing angle: $120^\circ/60^\circ$

Luminance: $\geq 5000\text{cd/m}^2$

Max power consumption: 750W/m^2

Grey scale: $\geq 16.7\text{M}$ (synchronous)

Protection grade: IP65

Temperature range: $-40^\circ\text{C} \sim 60^\circ\text{C}$

Humidity: 10%-99%



P12mm Full Color LED Display

Pixel pitch: 12mm

Pixel density: 6944dots/sq.m

Refresh rate: $\geq 400\text{hz/s}$

(1000HZ solution available)

Best viewing distance: 8-66m

Best viewing angle: $120^\circ/60^\circ$

Luminance: $\geq 7000\text{cd/m}^2$

Max power consumption: 550W/m^2

Grey scale: $\geq 16.7\text{M}$ (synchronous)

Protection grade: IP65

Temperature range: $-40^\circ\text{C} \sim 60^\circ\text{C}$

Humidity: 10%-99%



P16mm Full Color LED Display

Pixel pitch: 16mm

Pixel density: 3906dots/sq.m

Refresh rate: $\geq 400\text{hz/s}$

(1000HZ solution available)

Best viewing distance: 15-88m

Best viewing angle: $120^\circ/60^\circ$

Luminance: $\geq 8500\text{cd/m}^2$

Max power consumption: 1.0KW/m^2

Grey scale: $\geq 16.7\text{M}$ (synchronous)

Protection grade: IP65

Temperature range: $-40^\circ\text{C} \sim 60^\circ\text{C}$

Humidity: 10%-99%



P20mm Full Color LED Display

Pixel pitch: 20mm

Pixel density: 2500dots/sq.m

Refresh rate: $\geq 400\text{hz/s}$

(1000HZ solution available)

Best viewing distance: 20-110m

Best viewing angle: $120^\circ/60^\circ$

Luminance: $\geq 5500\text{cd/m}^2$

Max power consumption: 750W/m^2

Grey scale: $\geq 16.7\text{M}$ (synchronous)

Protection grade: IP65

Temperature range: $-40^\circ\text{C} \sim 60^\circ\text{C}$

Humidity: 10%-99%



P25mm Full Color LED Display

Pixel pitch: 25mm

Pixel density: 1600dots/sq.m

Refresh rate: $\geq 400\text{hz/s}$

Best viewing distance: 20-160m

Best viewing angle: $120^\circ/60^\circ$

Luminance: $\geq 4500\text{cd/m}^2$

Max power consumption: 500W/m^2

Grey scale: $\geq 16.7\text{M}$ (synchronous)

Protection grade: IP65

Temperature range: $-40^\circ\text{C} \sim 60^\circ\text{C}$

Humidity: 10%-99%



P31.25mm Full Color LED Display

Pixel pitch: 31.25mm

Pixel density: 1024dots/sq.m

Refresh rate: $\geq 400\text{hz/s}$

Best viewing distance: 20-160m

Best viewing angle: $120^\circ/60^\circ$

Luminance: $\geq 5500\text{cd/m}^2$

Max power consumption: 450W/m^2

Grey scale: $\geq 16.7\text{M}$ (synchronous)

Protection grade: IP65

Temperature range: $-40^\circ\text{C} \sim 60^\circ\text{C}$

Humidity: 10%-99%

