

# Huake



**OUTDOOR**  
**FC/FC PRO/FS Series**  
**THE BEST LED DISPLAY SOLUTION**

- Standard Cabinet Size 960 x 960mm
- High Precise & Reliability LED Cabinet
- Lightweight Die-casting Aluminum Frame
- Anti-Moisture, Dust & High IP Rating
- Anywhere Fixed Installation
- Quick Luck and Easy Maintenance
- Support Energy-Saving Solution



Module Size: 320 x 320mm  
SMD Pixel Pitches: P4/P5/P6.67/P8/P10  
DIP Pixel Pitches: P10/P10.66/P16

- Ultra High brightness up to 10000nits
- Compatible with front and rear service
- Special designed high mask louvers makes vivid display performance even though under direct sunlight condition

## FC PRO Series Improved Outdoor LED Display Solution



- Seamless 90° Corner Splicing Better Display effect
- Support more various angles & Naked Eye 3D Project
- High Brightness Up to 10000nits
- High Refresh Rate & Contract Ratio
- Thin & Lightweight Aluminum Frame
- Two In One Cable Design
- Simple & Durable For LED Display
- Overall Waterproof LED Module IP65

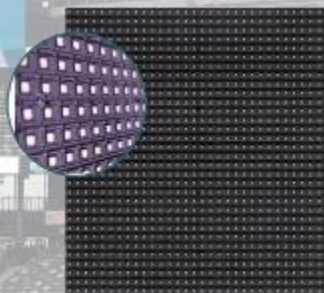


- Designed for Sports Perimeter LED Screen Display
- High Refresh Rate Get Perfect Program Display
- High Brightness Apply to Various Sport Scene
- Quick LED Module Replace Function Designed
- Support Front & Back Service and Maintenance



- Support 0-90° Adjustable Bracket
- Flexible bracket design can be adjusted with difference viewing angles, solid and stable support, which can be installed to indoor and outdoor stadium application.

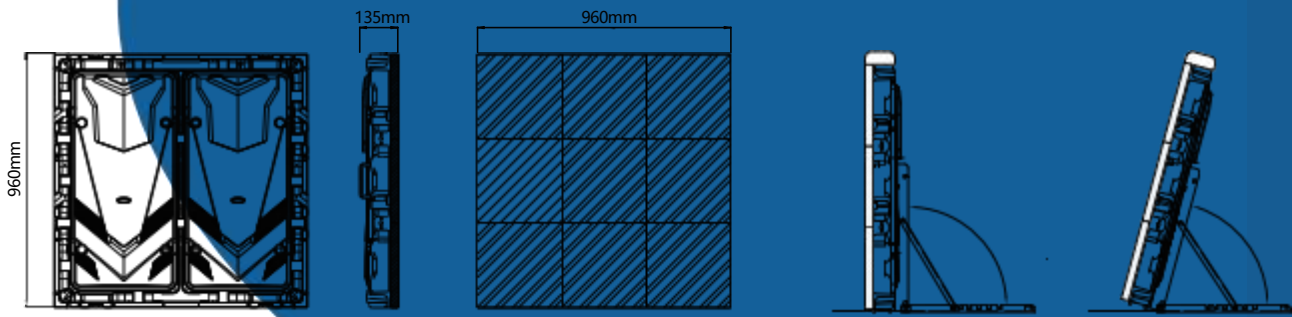
- Humanized designed in high quality rubber mask louvers and rubber padding for better protective.
- LED modules can be easily replaced in less than 1 minute either front or back.



High Quality Soft Louvers

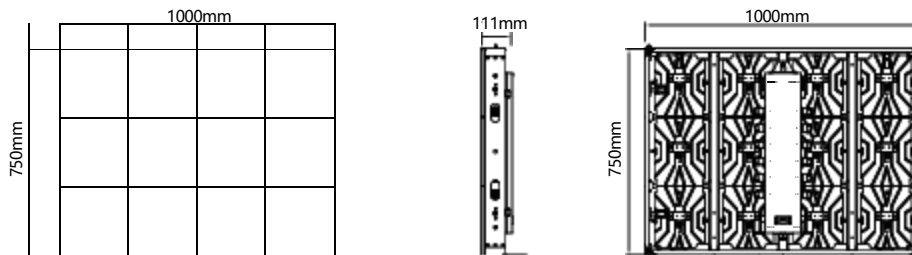


Protective Rubber Padding



### FS Series Sport Perimeter Specification

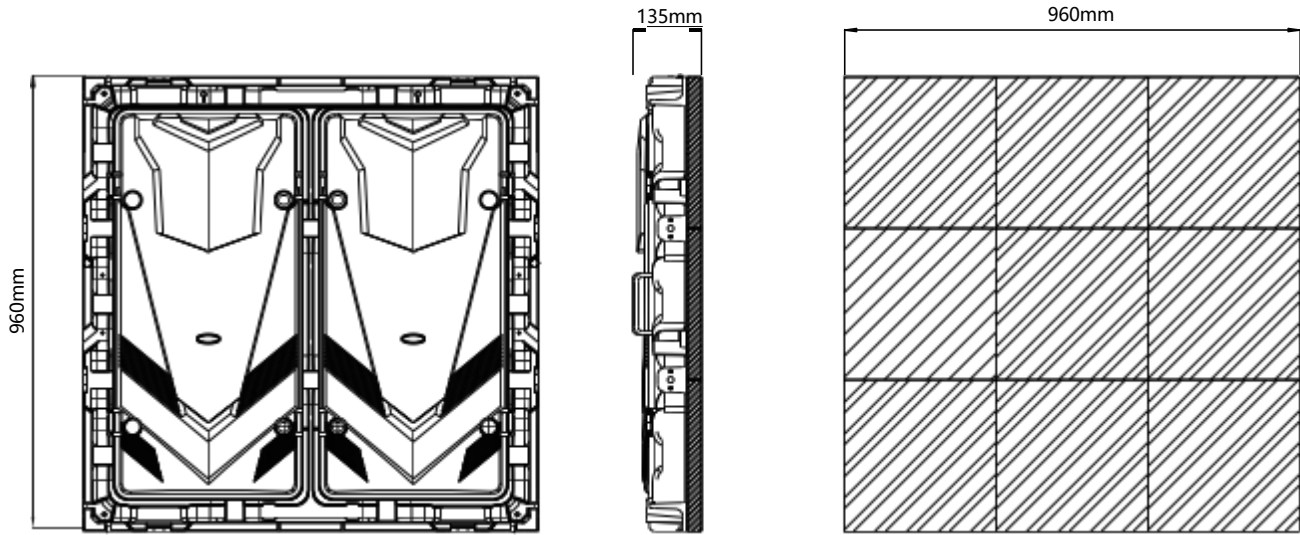
Pixel Pitch	6.67 mm	8 mm	10 mm
Pixel Configuration	SMD 3 IN 1	SMD 3 IN 1	SMD 3 IN 1
Module Size ( WxH)	320 x 320 mm	320 x 320 mm	320 x 320 mm
Module Resolution	48 x 48 pixels	40 x 40 pixels	32 x 32 pixels
Panel Resolution (H x V)	144 x 144	120 x 120	96 x 96
Pixel Density(dots/m)	22500 pixels	15625 pixels	10000 pixels
Drive Mode	1/6	1/4	1/2
Brightness (cd/m <sup>2</sup> )	Up to 10000nits		
Panel Dimension	960 x 960 x 135 mm		
Panel Dimension (Inch)	37.79" x 37.79" x 5.31"		
Refresh Rate	≤3840Hz		
ViewingAngle (H/V)	HighMask 140/65 or Normal Mask140/140		
Operation Power Source	AC 110V-240V, 50 -60Hz		
PowerConsumption W/m <sup>2</sup>	274W Avg / ≤830 Max		
Panel Weight (Kg)	34 Kg/panel		
Operational Temp / Humidity	-20° -60°C, 10 -90% RH ( -4° - 122°F, 10 -90% RH)		
IP Rating	Outdoor IP65 Front / IP54 Rear		



### FC PRO Series Specification

Pixel Pitch	6.67 mm	8 mm	10 mm
Pixel Configuration	SMD 3 IN 1	SMD 3 IN 1	SMD 3 IN 1
Module Size (WxH)	320 x 320 mm	320 x 320 mm	320 x 320 mm
Module Resolution	48 x 48 pixels	40 x 40 pixels	32 x 32 pixels
① Regular Panel Dimension	960 x 960 mm	960 x 960 mm	960 x 960 mm
② Regular Panel Dimension	1280 x 960 mm	1280 x 960 mm	1280 x 960 mm
① Panel Dimension (Inch)	37.79"x37.79"	37.79"x37.79"	37.79"x37.79"
② Panel Dimension (Inch)	50.39"x37.79"	50.39"x37.79"	50.39"x37.79"
① Panel Resolution (H x V)	144 x 144	120 x 120	96 x 96
② Panel Resolution (H x V)	192 x 144	160 x 120	128 x 96
Pixel Density(dots/m <sup>2</sup> )	22500	15625	10000
Drive Mode	1/6	1/4	1/2
Brightness (cd/m <sup>2</sup> )	5500 ~ 9500 nits	6000 ~ 9500 nits	6500 ~ 10000 nits
Refresh Rate	≤3840Hz		
Viewing Angle (H/V)	High Mask 140/65 or Normal Mask 140/140		
Operation Power Source	AC 110V-240V, 50 -60Hz		
Power Consumption W/m <sup>2</sup>	274W Avg / ≤830 Max		
Frame Material	Aluminum Profile Frame or Custom Made		
Panel Weight (Kg)	28~30 Kg/panel		
Operational Temp / Humidity	-20° -60°C, 10 -90% RH ( -4° - 122°F, 10 -90% RH)		
IP Rating	Outdoor IP65 Front / Rear		

# PRODUCT SPECIFICATIONS



FC Series Specification								
Pixel Pitch	4 mm	5 mm	6.67 mm	8 mm	10 mm	DIP 10 mm	DIP 10.66 mm	DIP 16 mm
Pixel Configuration	SMD1921	SMD1921	SMD2727	SMD2727	SMD2727	DIP346	DIP346	DIP346
Module Size (W x H)	320 x 320 mm	320 x 320 mm	320 x 320 mm	320 x 320 mm	320 x 320 mm	320 x 320 mm	320 x 320 mm	320 x 320 mm
Module Resolution	80 x 80 pixels	64 x 64 pixels	48 x 48 pixels	40 x 40 pixels	32 x 32 pixels	32 x 32 pixels	30 x 30 pixels	20 x 20 pixels
Panel Dimension	960 x 960 x 135 mm					960 x 960 x 135 mm		
Panel Dimension ( Inch)	37.79" x 37.79" x 5.31"					37.79" x 37.79" x 5.31"		
Panel Resolution ( H x V)	240x 240	192 x 192	144 x 144	120 x 120	96 x 96	96 x 96	90 x 90	60 x 60
Drive Mode	1/10	1/8	1/6	1/4	1/2	1/4	1/3	Static
Brightness (cd/m <sup>2</sup> )	5500 ~ 8000nits	5500 ~ 8000nits	5500 ~ 9500 nits	6000 ~ 9500 nits	6500 ~ 10000 nits	7500nits	10000nits	10000nits
Color processing ( Bit)	15 bit	15 bit	15 bit	15 bit	16 bit	16 bit	16 bit	16 bit
Grey Level	65536	65536	65536	65536	65536	65536	65536	65536
Refresh Rate	≤3840Hz	≤3840Hz	≤3840Hz	≤3840Hz	≤3840Hz	≤1920Hz	≤1920Hz	≤1920Hz
Pixel Density(pixels/m <sup>2</sup> )	62500 pixels	40000 pixels	22500 pixels	15625 pixels	10000 pixels	10000 pixels	8800 pixels	3906 pixels
Viewing Angle ( H/V) For High Mask	140/65					140/100		
Viewing Angle ( H/V) For Normal Mask	140/140					110/45		
Operation Power Source	AC 110V -240V, 50 -60Hz					AC110V -240V		
Power Consumption (Avg)(W/m <sup>2</sup> )	274					180		
Power Consumption ( Max)(W/m <sup>2</sup> )	≤830					≤540		
Frame Material	Die Cast Aluminum					Die Cast Aluminum		
Weight Per Panel	31 kg					34 kg		
Operational Temp / Humidity	-20° -60°C, 10 -90% RH -20° -60°C, 10 -90% RH ( -4° - 122°F, 10 -90% RH)					-20° -60°C, 10 -90% RH -4° - 122°F, 10 -90% RH		
IP Rating	Outdoor IP65 Front / IP54 Rear					Outdoor IP65 Front / IP54 Rear		
Maintenance Method	Front & Rear					Front & Rear		

\*Newstar's outdoor fixed series specifications can be customized.

Professional LED Display Manufacturer  
Digital LED Display Solutions Provider



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