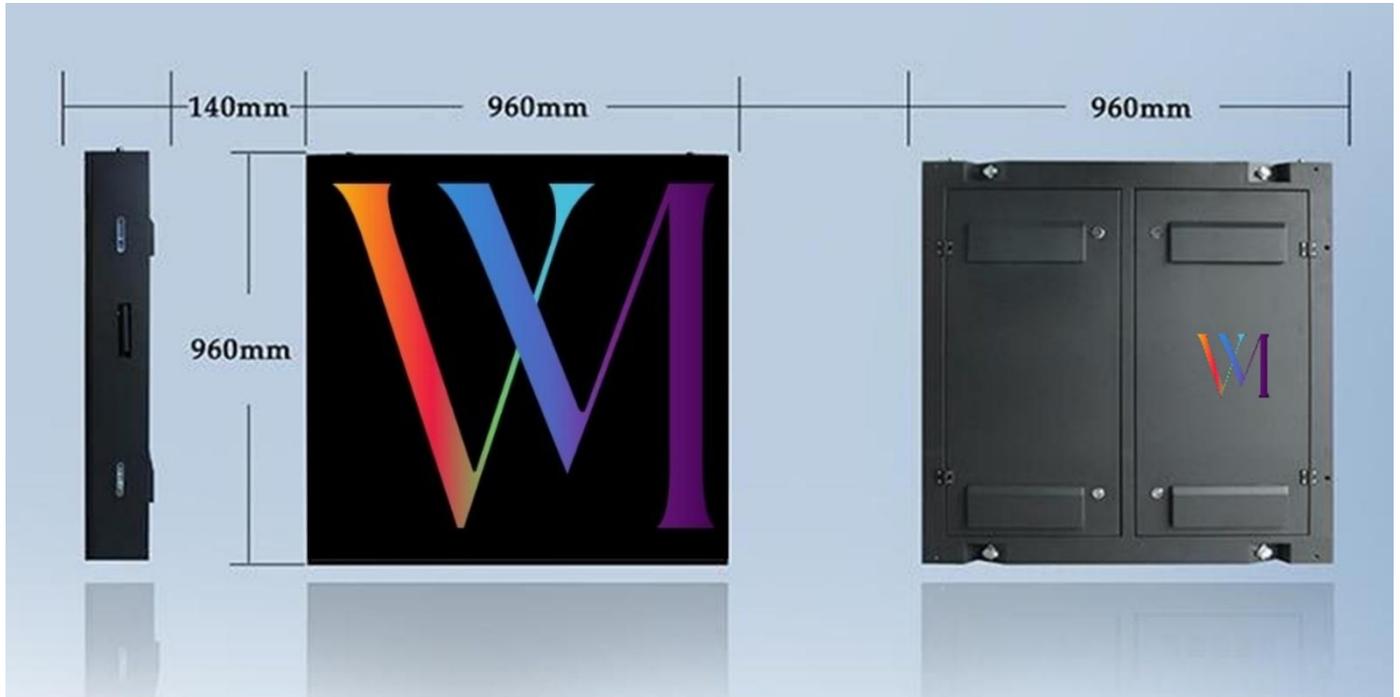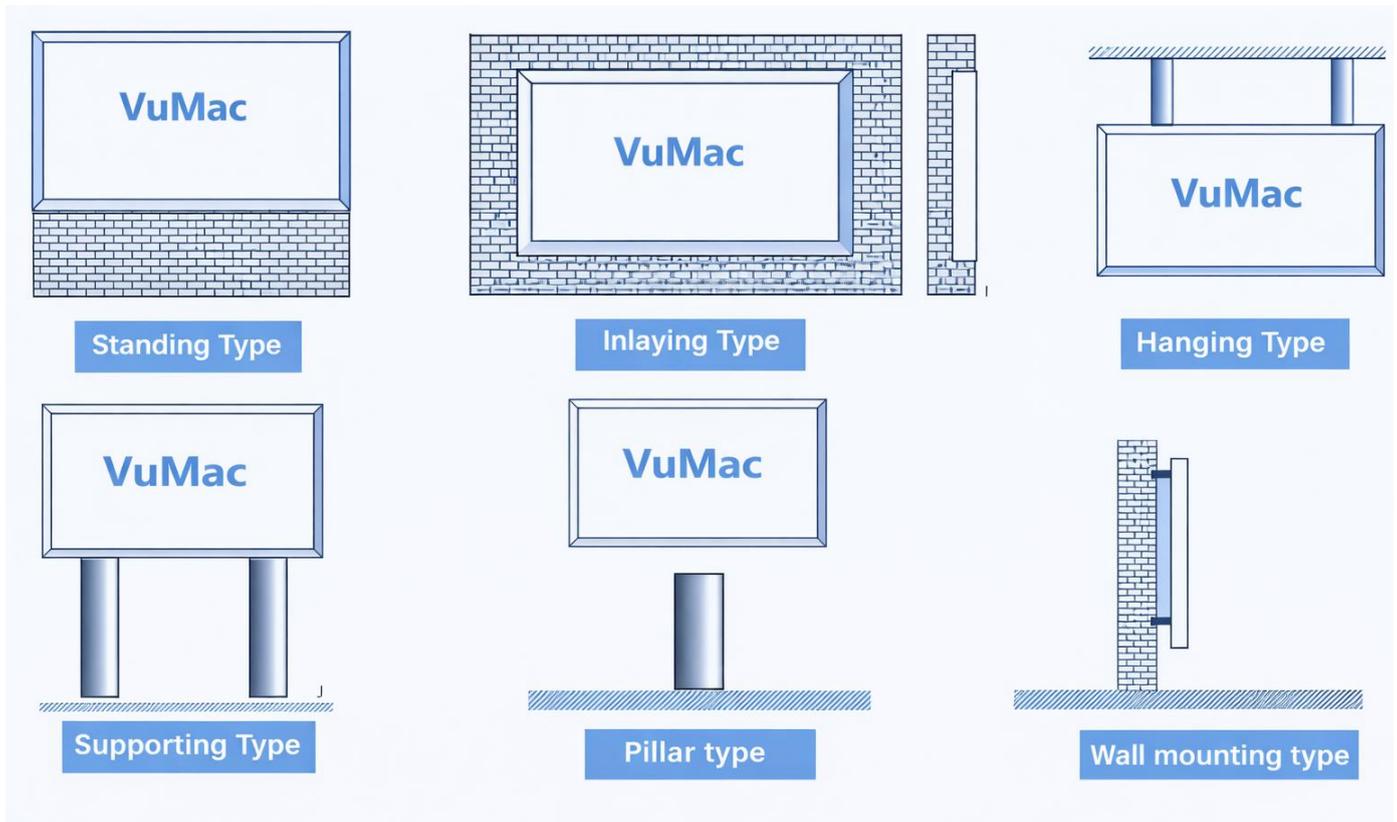# Outdoor Fixed LED Display

MS3840-FO-D

Features

- Supports adjusting the brightness.

- High refresh rate, high brightness, wide viewing angle, no glare, and low attenuation offer better visual experience.

- High grayscale image delivers more details.

- Supports 360° arc splicing screen. Supports naked-eye 3D display.

- Mild Steel powder coated CNC cabinet, each only weights 30.5kg.

- The modular design of the whole device supports complete rear maintenance, efficient and convenient.

- The module uses fiber-based material for improved thermal stability and heat dissipation.

- CNC precision machining achieves high dimensional accuracy and good flatness.

- IP65 rating can withstand harsh outdoor environment.

- Low Power Consumption Energy efficient operation for long hours

- Clear & sharp display, ideal for medium to long-distance viewing (minimum viewing distance ~6, 4, 3, 2.5 meters).
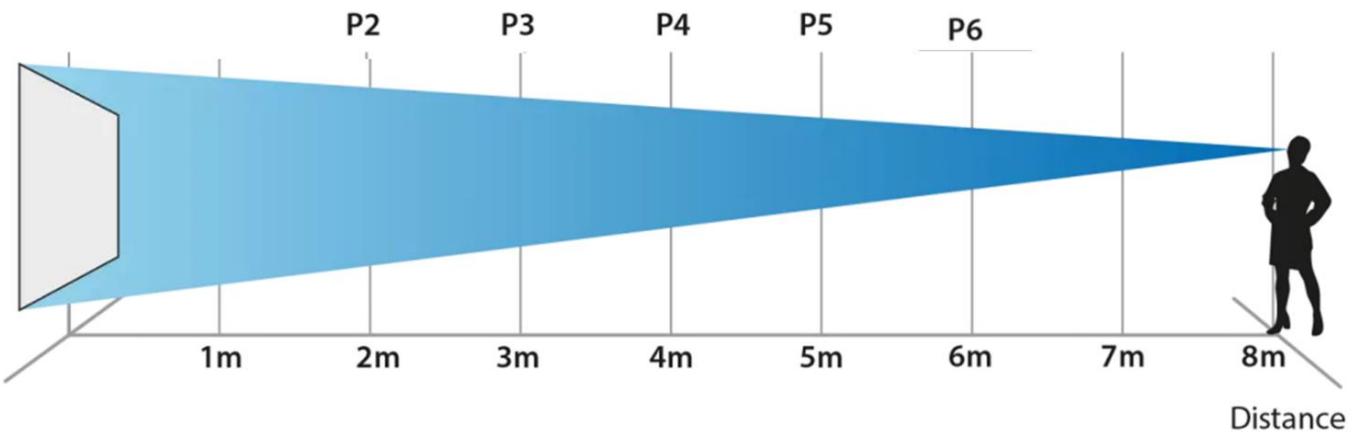
Specifications

Module	Description	Description	Description	Description
Pixel Pitch	P6.0	P4.0	P3.07	P2.5
Module Resolution (W*H)	32*32	80*40	104*52	128*64
Module Dimensions (mm)	192*192	320*160	320*160	320*160
Cabinet	Description	Description	Description	Description
Cabinet Dimensions（W*H*D）(mm)	960*960*140	960*960*140	960*960*140	960*960*140
Cabinet Resolution (W*H)	160*160	240*240	312*312	384*384
Material	MS CNC powder coated	MS CNC powder coated	MS CNC powder coated	Diecast
Processing Image	Description	Description	Description	Description
Single Pixel Brightness Correction	Support	Support	Support	Support
Single Pixel Color Correction	Support	Support	Support	Support
Brightness （nits）	4500 – 5000	4500 – 5000	4500 – 5000	4500 – 5000
Color Temperature （K）	2000 to 9500	2000 to 9500	2000 to 9500	2000 to 9500
Viewing Angle （H/V）	140°/120°	160°/140°	160°/140°	160°/140°
Center Distance Deviation of LED	＜3%	＜3%	＜3%	＜3%
Brightness Uniformity	≥95%	≥95%	≥95%	≥95%
Color Uniformity （Cx,Cy）	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy
Contrast Ratio	5000：1	5000：1	5000：1	5000：1
Processing performance	Description	Description	Description	Description
Pixel Density （pitch/m²）	27,777	62,500	1,06,101	1,60,000
Grayscale	16bit	16bit	16bit	16bit
Scanning Mode	8S	10S	13S	16S
Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving
Refresh Rate （Hz）	3840/1920	3840	3840	3840
Electrical	Description	Description	Description	Description
Power Supply	AC 100 to 240V	AC 100 to 240V	AC 100 to 240V	AC 100 to 240V
Average Power Consumption（W/m²）	280	280	280	280
Max. Power Consumption（W/m²）	750	750	750	750
General	Description	Description	Description	Description
Ideal Viewing Distance	≥6 M	≥4 M	≥3 M	≥2.5 M
Maintenance Mode	Rear maintenance	Rear maintenance	Rear maintenance	Rear maintenance
Ingress Protection (Front / Rear)	IP65 /IP54	IP65 /IP54	IP65 /IP54	IP65 /IP54
Weight （Kg/pcs）	30.5	30.5	30.5	30.5
Operation Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Operating Humidity	10% to 90%RH, non-condensing	10% to 90%RH, non-condensing	10% to 90%RH, non-condensing	10% to 90%RH, non-condensing
Storage Temperature	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Storage Humidity	10% to 95%RH, non-condensing	10% to 95%RH, non-condensing	10% to 95%RH, non-condensing	10% to 95%RH, non-condensing
LED lifetime （h）	100000	100000	100000	100000

Mounting Type

Standing Type

Inlaying Type

Hanging Type

Supporting Type

Pillar type

Wall mounting type

Pixel Pitch & ideal Viewing Distance

Screen pixelation

P2 P3 P4 P5 P6

1m 2m 3m 4m 5m 6m 7m 8m

Distance

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