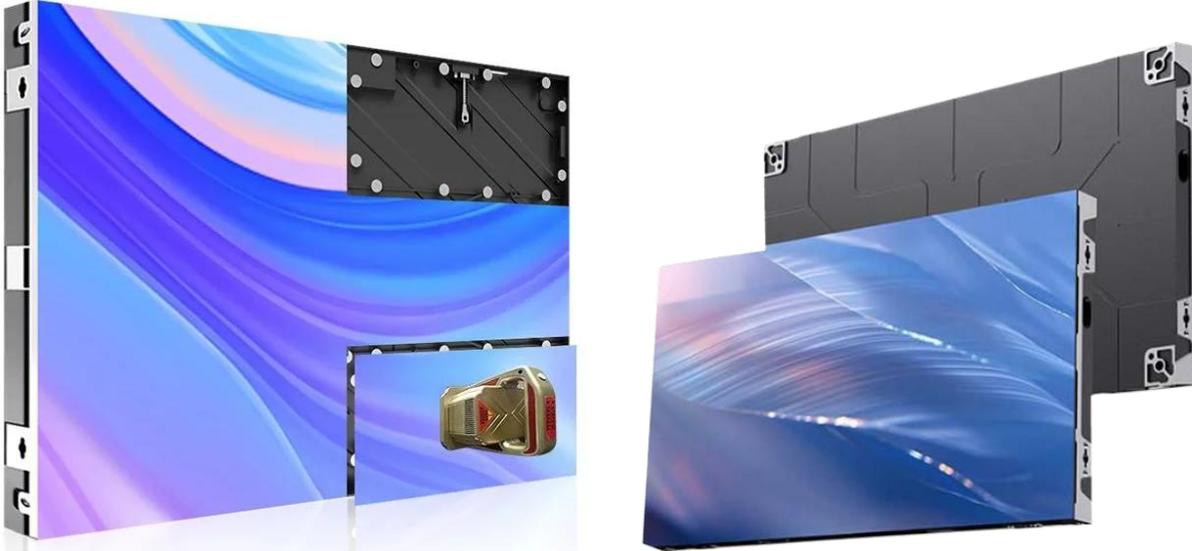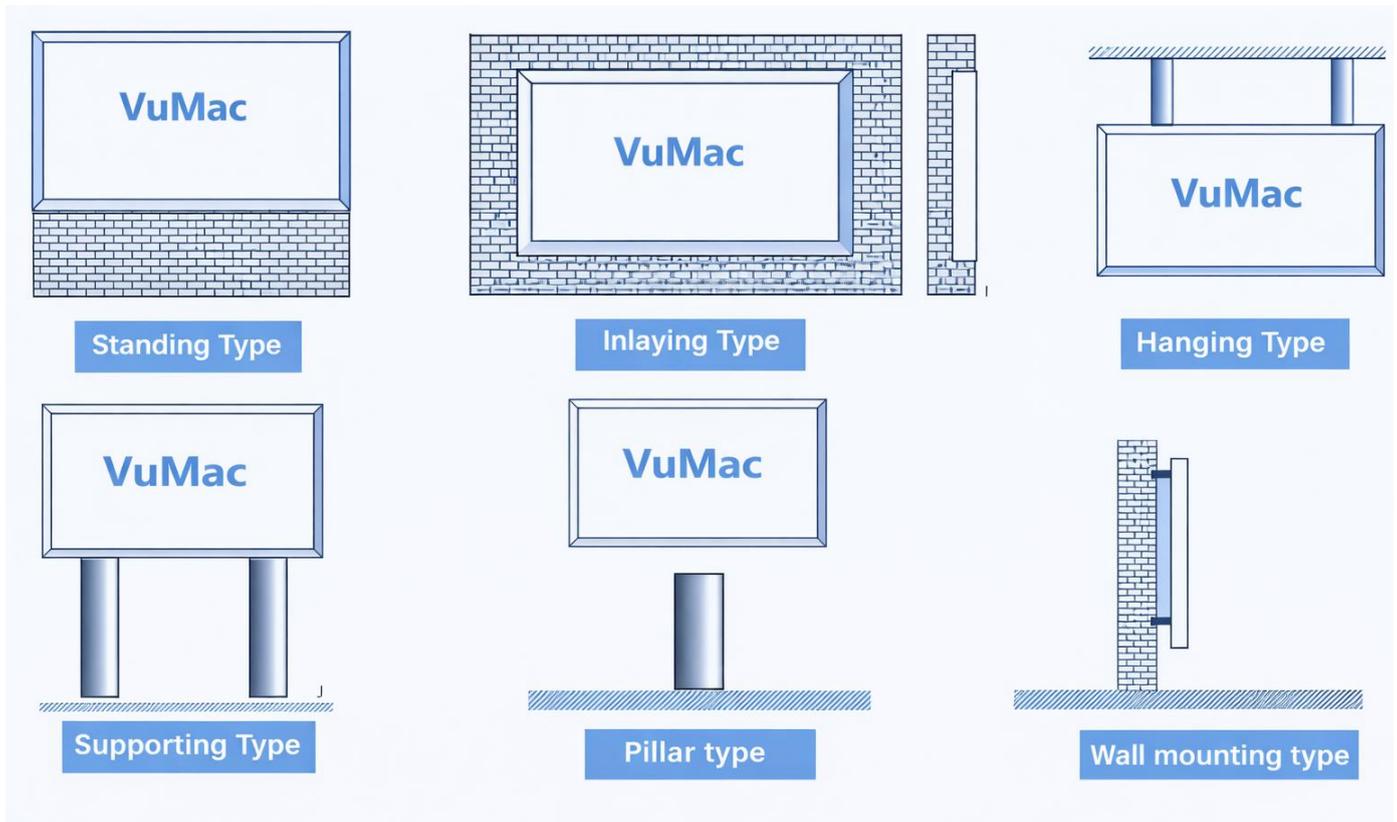# Indoor Fixed LED Display

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.

- Aluminum Die cast CNC cabinet, each only weights 8.5kg.

- The modular design of the whole device supports complete front 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.

- IP43, IP30, IP20 rating can withstand indoor environment.

- Low Power Consumption Energy efficient operation for long hours

- Clear & sharp display, ideal for medium to long-distance viewing (minimum viewing distance ~4, 3, 2.5, 2, 1.8, 1.5, 1 meters).
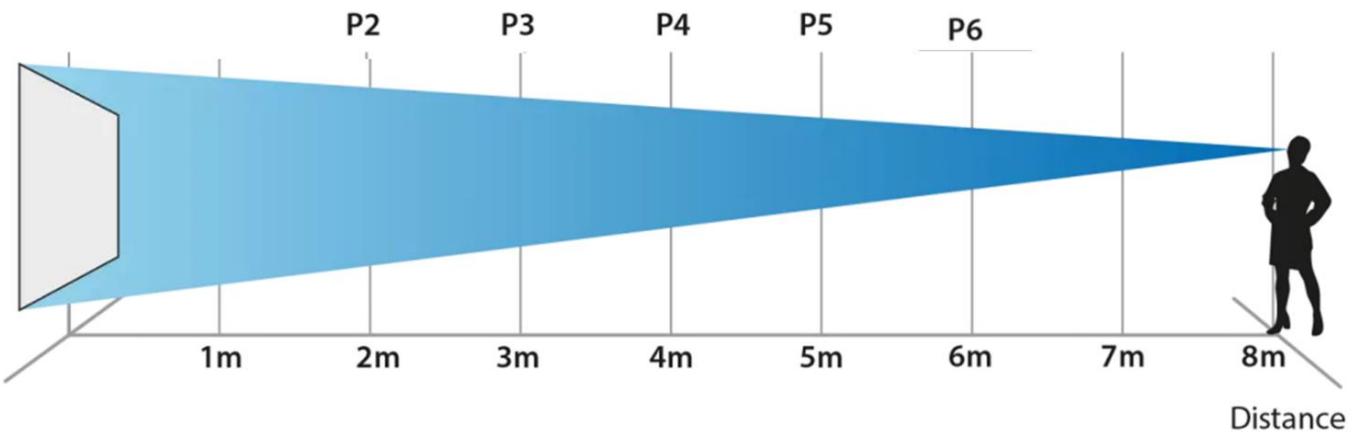
Specifications

Module	Description	Description	Description	Description	Description	Description	Description
Pixel Pitch	P4.0	P3.07	P2.5	P2.0	P1.86	P1.53	P1.25
Module Resolution (W*H)	80*40	104*52	128*64	160*80	172*86	208*104	256*128
Module Dimensions (mm)	320*160	320*160	320*160	320*160	320*160	320*160	320*160
Cabinet	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**
Cabinet Dimensions（W*H*D）(mm)	640*640*85	640*640*85	640*640*85	640*640*85	640*640*85	640*640*85	640*640*85
Cabinet Resolution (W*H)	160*160	208*208	256*256	320*320	344*344	416*416	512*512
Material	Die cast CNC	Die cast CNC	Die cast CNC	Die cast CNC	Die cast CNC	Die cast CNC	Die cast CN
Processing Image	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**
Single Pixel Brightness Correction	Support	Support	Support	Support	Support	Support	Support
Single Pixel Color Correction	Support	Support	Support	Support	Support	Support	Support
Brightness （nits）	600	600	600	600	600	600	600
Color Temperature （K）	2000 to 9500	2000 to 9500	2000 to 9500	2000 to 9500	2000 to 9500	2000 to 9500	2000 to 950
Viewing Angle （H/V）	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°
Center Distance Deviation of LED	＜3%	＜3%	＜3%	＜3%	＜3%	＜3%	＜3%
Brightness Uniformity	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%	≥95%
Color Uniformity （Cx,Cy）	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,
Contrast Ratio	5000：1	5000：1	5000：1	5000：1	5000：1	5000：1	5000：1
Processing performance	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**
Pixel Density （pitch/m²）	62,500	1,06,000	1,60,000	2,50,000	2,89,000	4,27,186	6,40,000
Grayscale	16bit	16bit	16bit	16bit	16bit	16bit	16bit
Scanning Mode	20S	26S	32S	40S	43S	52S	64S
Drive Mode	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driving	Constant current driv
Refresh Rate （Hz）	3840	3840	3840	3840	3840/7680	3840/07680	3840/7680
Electrical	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**
Power Supply	AC 240V	AC 240V	AC 240V	AC 240V	AC 240V	AC 240V	AC 240V
Average Power Consumption（W/m²）	280	280	280	280	280	280	280
Max. Power Consumption（W/m²）	650	650	650	650	650	650	650
General	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**	**Description**
Maintenance Mode	Front main	Front main	Front main	Front main	Front main	Front main	Front main
Ingress Protection	IP43	IP40	IP40	IP30	IP30	IP30	IP20
Weight （Kg/pcs）	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Operation Temperature	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°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	10% to 90%RH, non-condensing	10% to 90%RH, non-condensing	10% to 90%I non-condens
Storage Temperature	-30°C to +30°C	-30°C to +30°C	-30°C to +30°C	-30°C to +30°C	-30°C to +30°C	-30°C to +30°C	-30°C to +30°C
Storage Humidity	10% to 65%RH, non-condensing	10% to 65%RH, non-condensing	10% to 65%RH, non-condensing	10% to 65%RH, non-condensing	10% to 65%RH, non-condensing	10% to 65%RH, non-condensing	10% to 65%I non-condens
LED lifetime （h）	100000	100000	100000	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

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