



# Shenzhen Dicolor Optoelectronics Co., Ltd.

## M-PLUS Series-SPECIFICATIONS

Product NO.	M-480PLUS	M-590PLUS	M-690PLUS	M-391PLUS	M-481PLUS
<b>Module Parameters</b>					
Pixel Pitch	4.81mm	5.95mm	6.944mm	3.91mm	4.81mm
Resolution	52 × 104	42 × 84	36 × 72	64 × 128	52 × 104
Pixel Quantity	5408	3528	2592	8192	5408
Dimension	250 × 500mm	250 × 500mm	250 × 500mm	250 × 500mm	250 × 500mm
Pixel Configuration	SMD2727 3-in-1	SMD2727 3-in-1	SMD2727 3-in-1	SMD2020 3-in-1	SMD2020 3-in-1
Driving Mode	1/13 Scan	1/11 Scan	1/9 Scan	1/16 Scan	1/13 Scan
Application	Outdoor	Outdoor	Outdoor	Indoor	Indoor
Weight	1.5Kg	1.3Kg	1.2Kg	0.88Kg	0.88Kg
<b>Cabinet Parameters</b>					
Dimension	500 × 1000 × 79.5mm	500 × 1000 × 79.5mm	500 × 1000 × 79.5mm	500 × 1000 × 79.5mm	500 × 1000 × 79.5mm
Resolution	104 × 208	84 × 168	72 × 144	128 × 256	104 × 208
Pixel Quantity	21632	14112	10368	32768	21632
Module Quantity	2 × 2	2 × 2	2 × 2	2 × 2	2 × 2
Type	Die casting aluminum	Die casting aluminum	Die casting aluminum	Die casting aluminum	Die casting aluminum
Weight	13.5Kg	13.5Kg	13.5Kg	12.5Kg	12.5Kg
Maintenance type	Back	Back	Back	Front/Back	Front/Back
<b>Screen Parameters</b>					
Pixel Density	43264 Dot/m <sup>2</sup>	28224 Dot/m <sup>2</sup>	20736 Dot/m <sup>2</sup>	65536 Dot/m <sup>2</sup>	43264 Dot/m <sup>2</sup>
Ave. Power Consumption	215W/m <sup>2</sup>	215W/m <sup>2</sup>	215W/m <sup>2</sup>	128W/m <sup>2</sup>	128W/m <sup>2</sup>
Max. Power Consumption	640W/m <sup>2</sup>	640W/m <sup>2</sup>	640W/m <sup>2</sup>	384W/m <sup>2</sup>	384W/m <sup>2</sup>
Input Power	800W/m <sup>2</sup>	800W/m <sup>2</sup>	800W/m <sup>2</sup>	480W/m <sup>2</sup>	480W/m <sup>2</sup>
Brightness	4500nits	4500nits	4500nits	800nits	800nits
Color Depth	14Bit	14Bit	14Bit	14Bit	14Bit
Refresh Rate	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz
Frame Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Input Voltage	110~220V AC	110~220V AC	110~220V AC	110~220V AC	110~220V AC
Working Temperature	-20℃~+50℃	-20℃~+50℃	-20℃~+50℃	-10℃~+40℃	-10℃~+40℃
Working Humidity	10%~90%RH	10%~90%RH	10%~90%RH	10%~90%RH	10%~90%RH
Optimal Viewing Distance	4.8~48M	6~60M	7~70M	4~40M	5~50M
Viewing Angle	H:140° /V:120°	H:140° /V:120°	H:140° /V:120°	H:140° /V:140°	H:140° /V:140°
IP Grade	IP65/IP54	IP65/IP54	IP65/IP54	IP40/IP21	IP40/IP21
Lifespan	100000H	100000H	100000H	100000H	100000H
Rotation angle	--	± 15°	± 15°	± 15°	± 15°