



SHENZHEN MELTON OPTOELECTRONICS Co.,LTD
PROFESSIONAL LED DISPLAY MANUFACTURER

PARAMETERS FOR OUTDOOR FULL-COLOR DISPLAY

OUTDOOR SMD DISPLAY SERIES--01

Item	P6	P8	P10
Pixel pitch	8mm	10mm	12mm
Module Size	192mm X 192mm	256mm X 128mm	320mm X 160mm
Module Resolution	32 x 32	32x 16	32 x 16
Density of pixel	27777dots/m ²	15625dots/m ²	10000dots/m ²
Pixel configuration	1R1G1B	1R1G1B	1R1G1B
Red wavelength	625±2nm	625±2nm	625±2nm
Green wavelength	525±2nm	525±2nm	525±2nm
Blue wavelength	470±2nm	470±2nm	470±2nm
Colors	16777216	16777216	16777216
Best viewing distance	≥8m	≥10m	≥12m
Horizontal viewing angle	140°	140°	140°
Maximum power consumption	<1200W/m ²	<1200W/m ²	<1000W/m ²
Brightness	6000c d /m ²	6000c d /m ²	6000c d /m ²
Gray scale	14bits per color	14bits per color	14bits per color
Color temperature	6500k	6500k	6500k
Control method	Synchronization & Asynchronization	Synchronization & Asynchronization	Synchronization & Asynchronization
Driving method	Constant 1/8 scanning	Constant 1/4 scanning	Constant 1/2 scanning
Frame frequency	60Hz	60Hz	60Hz
Refresh frequency	≥180Hz	≥180Hz	≥180Hz
Working voltage	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%
IP grade	IP65	IP65	IP65
Working temperature	-10℃±65℃	-10℃±65℃	-10℃±65℃
MTBF	>10000 hours	>10000 hours	>10000 hours

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ADD: Star Industrial Park,Huaning road ,Dalang,Longhua Town,Bao'an District, Shenzhen City,
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LED SMD OUTDOOR SERIES-02

Item	PH4.81	PH6.25	PH6.67
Pixel Pitch	4.81mm	6.25mm	6.67mm
Module Size	250mmX250mm	250mmX250mm	320mmX160mm
Module Resolution	52X 52 (dots)	40 X 40 (dots)	48 X 24 (dots)
Density of pixel	43243dots/m ²	25600dots/m ²	22545dots/m ²
Pixel configuration	1R1G1B	1R1G1B	1R1G1B
Red wavelength	625±2nm	625±2nm	625±2nm
Green wavelength	525±2nm	525±2nm	525±2nm
Blue wavelength	470±2nm	470±2nm	470±2nm
Colors	16777216	16777216	16777216
Best viewing distance	≥10m	≥12m	≥15m
Horizontal viewing angle	140°	140°	140°
Maximum power consumption	1200w/m ²	1100w/m ²	1000w/m ²
Brightness	6000cd/m ²	6000cd/m ²	6000cd/m ²
Gray scale	14bits per color	14bits per color	14bits per color
Color temperature	6500k	6500k	6500k
Control method	Synchronization& Asynchronization	Synchronization& Asynchronization	Synchronization& Asynchronization
Driving method	1/13scanning	1/10scanning	1/6scanning
Frame frequency	60Hz	60Hz	60Hz
Refresh frequency	≥300Hz	≥300Hz	≥300Hz
Working Voltage	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%
IP grade	IP65	IP65	IP65
Working temperature	-10℃±65℃	-10℃±65℃	-10℃±65℃
MTBF	More than 10000hours	More than 10000hours	More than 10000hours
Life Span	100,000hours	100,000hours	100,000hours

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OUTDOOR DIP 3in1 DISPLAY SERIES--03

Item	P6.67	P8	P10
Pixel pitch	6.67mm	8mm	10mm
Module Size	320mm X 160mm	320mm X 160mm	320mm X 160mm
Module Resolution	48 x 24	40x 20	32 x 16
Density of pixel	22545dots/m2	15625dots/m2	10000dots/m2
Pixel configuration	1R1G1B	1R1G1B	1R1G1B
Red wavelength	625±2nm	625±2nm	625±2nm
Green wavelength	525±2nm	525±2nm	525±2nm
Blue wavelength	470±2nm	470±2nm	470±2nm
Colors	16777216	16777216	16777216
Best viewing distance	≥8m	≥10m	≥12m
Horizontal viewing angle	140°	140°	140°
Maximum power consumption	<1200W/m2	<1200W/m2	<1000W/m2
Brightness	6000c d /m2	6000c d /m2	6000c d /m2
Gray scale	14bits per color	14bits per color	14bits per color
Color temperature	6500k	6500k	6500k
Control method	Synchronization & Asynchronization	Synchronization & Asynchronization	Synchronization & Asynchronization
Driving method	Constant 1/6scanning	Constant 1/5 scanning	Constant 1/4scanning
Frame frequency	60Hz	60Hz	60Hz
Refresh frequency	≥180Hz	≥180Hz	≥180Hz
Working voltage	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%
IP grade	IP65	IP65	IP65
Working temperature	-10℃±65℃	-10℃±65℃	-10℃±65℃
MTBF	>10000 hours	>10000 hours	>10000 hours
Life span	>100, 000 hours	>100, 000 hours	>100, 000 hours

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PARAMETERS FOR OUTDOOR FULL-COLOR DISPLAY

OUTDOOR FULL-COLOR LAMP DISPLAY-04

Item	P10	P12	P16	P20
Pixel Pitch	10mm	12mm	16mm	20mm
Module Size	160mmX160mm	192mmX192mm	256mmX256mm	320mmX160mm
Module Resolution	16 X 16 (dots)	16 X 16 (dots)	16 X 16 (dots)	16 X 8 (dots)
Density of pixel	10000dots/m2	6944dots/m2	3906dots/m2	2500dots/m2
Pixel configuration	1R1G1B	1R1G1B	1R1G1B	2R1G1B
Red wavelength	625±2nm	625±2nm	625±2nm	625±2nm
Green wavelength	525±2nm	525±2nm	525±2nm	525±2nm
Blue wavelength	470±2nm	470±2nm	470±2nm	470±2nm
Colors	16777216	16777216	16777216	16777216
Best viewing distance	12m—120m	12m—120m	15m—300m	20m—300m
Horizontal viewing angle	≥120°	≥120°	≥120°	≥120°
Maximum power consumption	≅ 800w/m2	≅ 700w/m2	≅ 900w/m2	≅ 800w/m2
Brightness	≥7000cd/m2	≥7000cd/m2	≥7000cd/m2	≥7000cd/m2
Gray scale	14bits per color	14bits per color	14bits per color	14bits per color
Color temperature	6500cd/m2	6500cd/m2	6500cd/m2	6500cd/m2
Control method	Synchronization& Asynchronization	Synchronization& Asynchronization	Synchronization& Asynchronization	Synchronization& Asynchronization
Driving method	1/4scanning	1/4scanning	Constant static	Constant static
Frame frequency	60Hz	60Hz	60Hz	60Hz
Refresh frequency	≥300Hz	≥300Hz	≥300Hz	≥300Hz
Working Voltage	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%	AC220V/110V±10%
IP grade	IP65	IP65	IP67	IP67
Working temperature	-20℃~+60℃	-20℃~+60℃	-20℃~+60℃	-20℃~+60℃
MTBF	More than 10000hours	More than 10000hours	More than 10000hours	More than 10000hours
Life Span	100,000hours	100,000hours	100,000hours	100,000hours

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