





PH12mm 2R1G1B led video display, outdoor full color led screen

Model		UNIT-P12-O/F/V/F			
1.LED					
					
Color	Package	Intensity	View Angle	Wavelength	Test Enviro
Red	3mm Oval	550-650mcd	110/50	625nm	25℃,20mA
Green	3mm Oval	1800mcd	110/50	520nm	25℃,20mA
Blue	3mm Oval	350-450mcd	110/50	467nm	25℃,20mA

2.LED Module	
 2R1G1B 	
Resolution	16(H)×16(V)
Pitch	12mm
Density	6944 pixels/m ² (real density), 27776 pixels/m ² (virtual density)
LED Arrangement	2R1G1B
Driver Mode	Dynamic 1/4 Duty constant current
Size	192mm×192mm
Mask	Pure Black mask-high contrast screen

3.LED Cabinet	
	
Cabinet size can be designed, Special design for easy installation	
Resolution	80 (H)×80(V)

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Size	960 mm×960mm
Modules Quantity	25 pcs
Depth	150 mm
Weight	About 55 kg

4. Electricity Parameter

Optical Ratings	
Brightness	≥7500cd/m ²
View Angle	110 degree (horizontal) 70 degree(vertical)
Best View Distance	12m-120m
Gray Scale	8bits input, correction with 14bits
Display Color	16.7M
Brightness Adjustment	100 levels
Power Supply	
Operation Power	AC100-240V 50-60HZ Switch-able
Maxim Power Consumption	11.28KW
Average Power Consumption	3.76KW
Control System	
Correction Scale Level	16bits
Frame Update Frequency	60Hz
Screen Refresh Frequency	480Hz
Gamma Correction	-5.0-5.0
Support Input	Composite Video, S-Video, DVI, HDMI., SDI, HD_SDI
Control Distance	Ethernet cable 100m, optical fiber 5km
Support VGA Mode	800×600,1024×768,1280×1024,1600×1200
Color Temperature	5000-9300 adjustable
Brightness Correction	dot by dot, module by module, cabinet by cabinet
Reliability	
Operating Temp.	-20-60 Celsius degree
Operating Humidity	10-95% RH
Operating Life	100,000 hours
MTBF	5000 hours
Continuous Working Time	≥48 hours
Protection Level	IP65
Out of Control Pixel Rate	0.01%

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