

Introduction

SDM-P20RGB1616-OLVS is a 16×16 full color Module made by Red, Green, Blue, LAMP LED, design for wide range of applications such as video screens, graphic, symbol and VMS without color distribution.

Applications

- Full Color Video Screen
- Outdoor Concert & Performance Screen
- Stadium Display
- Advertising Display
- Sport Parameter Screen
- Latch unite



Features

Module Type	Outdoor LED Display Module	
Maintenance Direction	Latch Unit	
Pixel Arrangement	1R 1G 1B, LAMP LED	
Display Color	Full Color	
Module dimension	320mm x 320mm	
Module Pixel	256 pixel / module	
Pixel Pitch	20mm	
Resolution	2500 dot / m ²	
Brightness (Typ.)	6000 cd/m ²	
Gray Scale	4096 Level for each color	
View Angle	Horizontal Axis	110 Degree
	Vertical Axis	40 Degree
Weight (Typ.)	1600g / Module	

Product Characterize

Recommended Rating (Ta = 25°C)

Item	Symbol	Value	Unit
Input Voltage	VCC	5.0 ± 0.2	DC V
Activity Temperature	Topr	0 ~ 45	°C

Absolute Rating (Ta = 25°C)

Item	Symbol	Value	Unit
Input Voltage	VCC	- 0.3 ~ 5.2	DC V
Activity Temperature	Topr	- 10 ~ 60	°C
Storage Temperature	Tstg	- 20 ~ 85	°C

Electrical / Luminance Characterize

Luminance (Typ.)	Red	1800	cd/m2
	Green	3600	cd/m2
	Blue	600	cd/m2
	White	6000	cd/m2
Wavelength	Red	625 ± 5	nm
	Green	525 ± 5	nm
	Blue	470 ± 5	nm
Gray Scale	4096 Gray Scale for Each color		
Current Usage (Max.)	Icc	12.8	A (DC 5V)
Viewing Angle (Typ.)	Horizontal Axis	110	Degree
	Vertical Axis	40	Degree

*Drive Method : Static Drive (shift resistor type External & internal 4,096 gray level)

*Luminance Tolerance : 15% for each color

Module dimension

