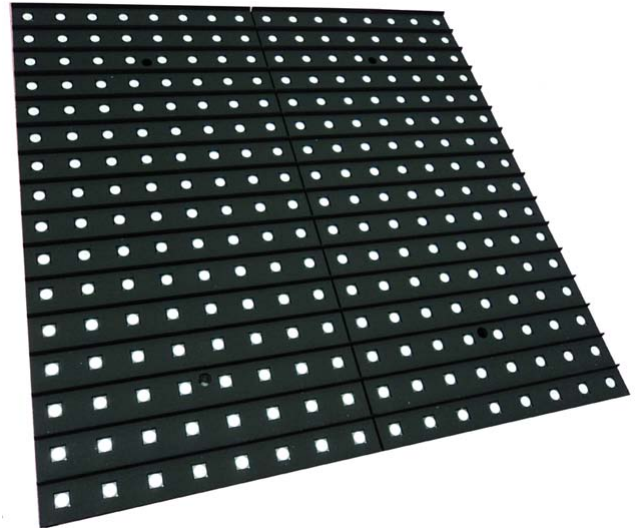


## Introduction

SDM-P16RGB1616-OLAS is a 16×16 full color Module mad by 3-in-1 SMD LED, available for wide range of outdoor applications such as video screens, graphic, alphabet, numeric, symbol and VMS without color distribution.

## Applications

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



## Features

Module Type	Outdoor LED Display Module	
LED Type	3-in-1 SMD	
Display Color	Red, Green, Blue	
Pixel Pitch	16mm	
Module dimension	256mm x 256mm	
Module Pixel	256 pixel / module	
Pixel Pitch	16mm	
Resolution	3906dot / m2	
Brightness (Typ.)	6000 cd/m2	
View Angle	Horizontal Axis	120 Degree
	Vertical Axis	120 Degree
Weight (Typ.)	1200g / Module	

## Product Characterize

### Recommended Rating (Ta = 25°C)

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

### Absolute Rating (Ta = 25°C)

Item	Symbol	Value	Unit
Supply Voltage	VIN	-0.3 ~ VCC+0.3	DC V
Control Circuit 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 (Typ.)	Icc	8.7	A (DC 5V)
Viewing Angle (Typ.)	Horizontal Axis	120	Degree
	Vertical Axis	120	Degree

\*Drive Method : Static Drive

\*Luminance Tolerance : 15% for each color

### Module dimension

