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Gravity: Flexible 16x16 RGB LED Matrix

SKU:DFR0463 Brand:Other Reward Points: 790

* Model: 8x8 8x32 16x16

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INTRODUCTION

Good news! There is a new member in to the Gravity family - The Flexible 16x16 RGB LED Matrix! This module is a square panel with a soldered XH2.54 3-pin interface with pin mappings that perfectly match the Arduino I/O expansion shield.

This flexible 16x16 RGB full-color LED matrix module is based on WS2812 or SK6812 intelligent control LEDs. Each LED can be independently addressed with RGB pixels that can achieve 256 levels of brightness. That's 16777216 colors in total with a scanning frequency no less than 400Hz!

The LED panel is single wire control board. We have customized a special cable to make it compatible with Arduino I/O expansion shields without any soldering. The module also supports cascading control. All you need to do is connect Din to the DOUT port. In combination with the open source Arduino library, you can control an entire array of LEDs using just one pin!

Note:
Each LED requires a maximum current of 18mA. When multiple modules are in use, it is recommended to use the DFRobot Gravity IO expansion board to power multiple LEDs matrix via the Servo Power Port.

FEATURES

- Full Color RGB
- Supports Cascade Control
- Compatible with Gravity Interface
- Supports External Power Supply

SPECIFICATION

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- Operating Voltage: 5V
- LED Type: SK6812/WS2812
- Communication Interface: Gravity 3Pin interface
- Operating Temperature: -25 ~ +80 ℃
- Dimension: 160*160 mm/6.3*6.3 inches
- Weight: 172g

DOCUMENTS

- Wiki (Gravity: Flexible 16x16 RGB LED Matrix)
- SK6812 Datasheet

SHIPPING LIST

- Flexible 16x16 RGB LED Matrix x1
- Matrix Gravity Interface Cable x1
- DC Barrel Jack Adapter - Female x1

REVIEW

FAQ

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