

# DFR0471 32 x 16 RGB LED Matrix

DFR0471

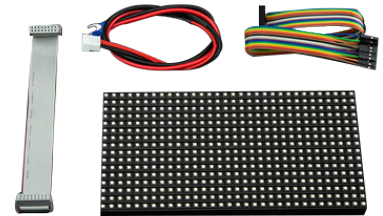
## Product Overview

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## Description

DFRobot DFR0471 32 x 16 RGB LED Matrix is a 6mm pitch panel with 512 full-color LEDs where each LED can be individually addressed. This DFR0471 LED requires at least 13 digital GPIOs to control. The LED matrix can be connected through multiple panels to form a bigger screen through the two IDC connectors (DATA\_IN and DATA\_OUT) at the back. This RGB LED matrix works at an operating voltage of 5V and consumes an average power of <500W/m<sup>2</sup>. The LED matrix is a high brightness, long life, no pollution, and pure color LED display module. This DFR0471 LED matrix can be used both indoors and outdoors, for safety and stability, the module can not be mutually extrusion deformation, and also can be used normally in harsh environments.



## Features

- 32 x 16 (512) pixels
- Synchronous control
- 1/8 scan rate
- 75000 hours to 100000 hours of service life
- 6mm pixel pitch
- 192mm x 96mm x 11mm product dimensions
- ≥5000 hours Mean Time to Failure (MTTF)

## Specifications

- 5V at 2A power supply
- <500W/m<sup>2</sup> average power consumption
- <1000W/m<sup>2</sup> maximum power consumption
- ≥160° level of viewing angle
- ≥1200cd/m<sup>2</sup> white balance brightness
- ≥60Hz repetition frequency
- ≥300Hz refresh frequency

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0471-led-matrix/>