

INDUSTRIAL PRODUCT DATASHEET

Grove - I2C Color Sensor V2:RGB LED Control

Grove - I2C Color Sensor V2: RGB LED Control with accurate color sensing, maskable interrupt, 2.5μA sleep state, and 16-bit I2C digital output via Grove unified socket.

SKU

101020341

UPDATED

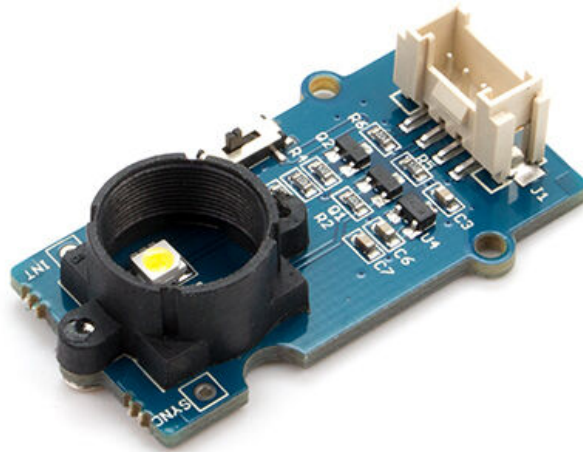
2026-05-14 02:38:40

PRICE

\$7.90(Excl. VAT)



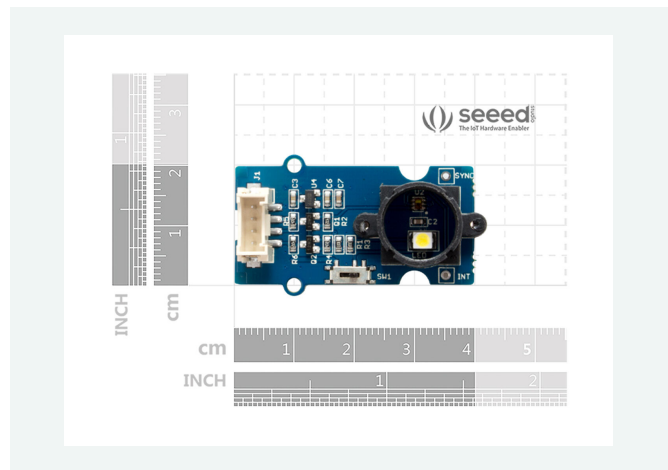
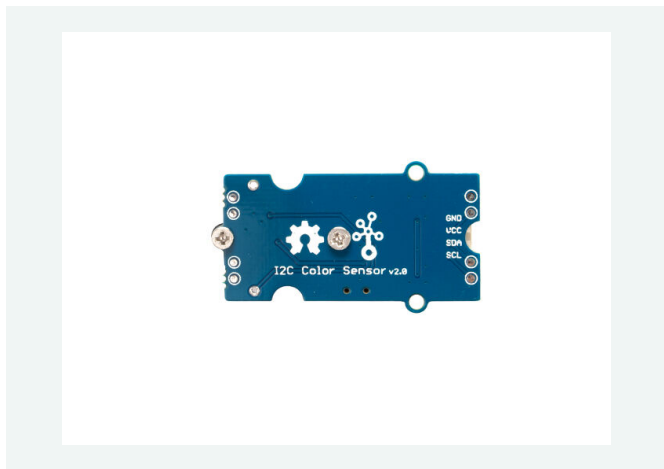
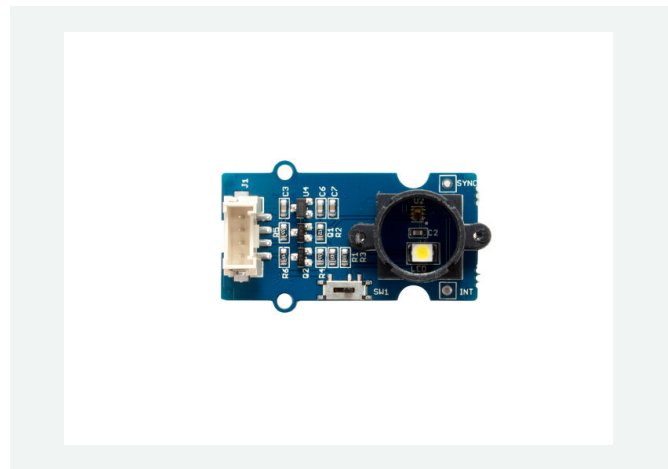
Overview



The Grove - I2C Color Sensor V2 enables accurate color and light sensing with a 16-bit digital output via I2C at 400 kHz. It features a maskable interrupt with user-defined thresholds and a 2.5 μ A sleep state for low-power operation, all in a plug-and-play Grove socket.

Key Features

- **Recognize different colors:** Enables accurate color and light sensing measurements under varying lighting conditions
- **Maskable interrupt:** Programmable interrupt function with User-Defined Upper and lower threshold settings
- **Low power - 2.5 μ A sleep state:** Enabling a low-power wait-state between RGBC measurements to reduce average power consumption
- **Digital output:** 16-Bit digital output with I2C at 400 kHz
- **Grove unified socket:** The product ensures "Plug and Play" and could be versatile for various applications of Grove



Dimensions	42mm x23mm x10mm
Weight	G.W 11g
Battery	Exclude
Supply Voltage	3.3/5V
Operating temperature range	-40°C to 85°C
Interface	I2C

Grove - I2C Color Sensor V2	1
Grove Cable	1

Compliance & Logistics



HSCODE	9031900090
USHSCODE	9031808085
UPC	841454120193
EUHSCODE	9013101000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-I2C-Color-Sensor-V2.html>
- [TCS3472 Datasheet](#)
- [Grove-I2C Color Sensor Eagle File V2.0](#)
- [Library for Grove - I2C Color Sensor V2.0](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com