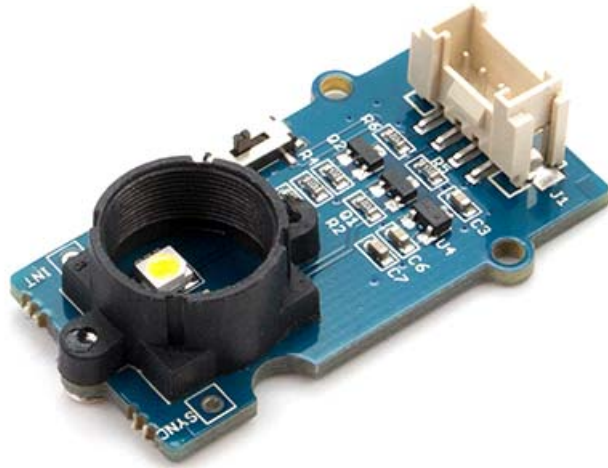




Grove - I2C Color Sensor V2

SKU 101020341



Description

This is an updated version of the Grove - I2C Color Sensor module. The new version is based on the color sensor TCS34725FN with digital output I2C. We also changed the circuit's layout based on the new sensor. Based on the 8*2 array of filtered photodiodes and 16-bits analog-to-digital converters, you can gain the color chromaticity of ambient light or the color of objects. Of the 16 photodiodes, 4 have red filters, 4 have green filters, 4 have blue filters and 4 have no filter(clear). With the synchronization input pin, external pulsed light source can provides precise synchronous conversion control.

Features

- Grove compatible interface
- 16-Bit digital output with I²C at 400 kHz
- SYNC Input Synchronizes Integration Cycle to Modulated Light Sources
- Programmable interrupt function with User-Defined Upper and lower threshold settings

Technical Details

Dimensions	42mm x 23mm x 10mm
Weight	G.W 10.4g
Battery	Exclude
Supply Voltage	3.3/5V
Operating temperature range	-40°C to 85°C
Interface	I ² C

