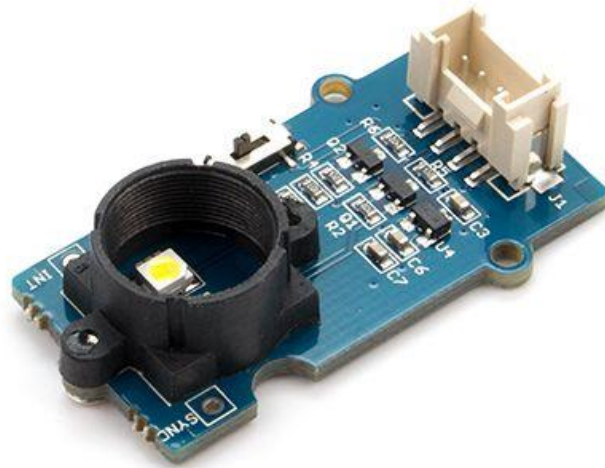


Grove - I2C Color Sensor V2 - 101020341



PRODUCT DETAILS

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 3*4 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 I 2C 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 x23mm x10mm
Weight	G.W 11g
Battery	Exclude
Supply Voltage	3.3/5V
Operating temperature range	-40°C to 85°C
Interface	I2C

Part List

Grove - I2C Color Sensor V2	1
Grove Cable	1

ECCN/HTS

HSCODE	9031900090
USHSCODE	9031808070
UPC	841454120193