Color Sensor

Part Photo

[Color Sensor]

Product Usage

- This sensor detects colors.
- It can distinguish 6 different colors; red, blue, green, yellow, white, and black.

Pin Layout Information

1. SIG1 : Color singnal 1
2. GND
3. ADC : Output of color intensity analog voltage
4. VCC (3.3V)
5. SIG2 : Can turn on the LED by sending High Signals

SIG1	SIG2	ADC
LOW	LOW	RED color intensity
LOW	HIGH	GREEN color intensity
HIGH	LOW	BLUE color intensity
HIGH	HIGH	insignificant value

Cables can may be damaged when not properly connected (i.e. wrong orientation), or use of excessive force during connection.

Make connections to the controlled while unpowered.
Making connections while the controller is powered may cause it to malfunction or/and damage.

Sensor sensing range

- When objects are too close (less than 6 mm) or too far (more than 18 mm) the color sensor is unable measure values properly .
- Color Sensing range 6mm ~18mm

H/W Specification

- Weight : 4g
- Size : 24mm*18mm*12mm

Compatible Controllers

- CM-200

Videos