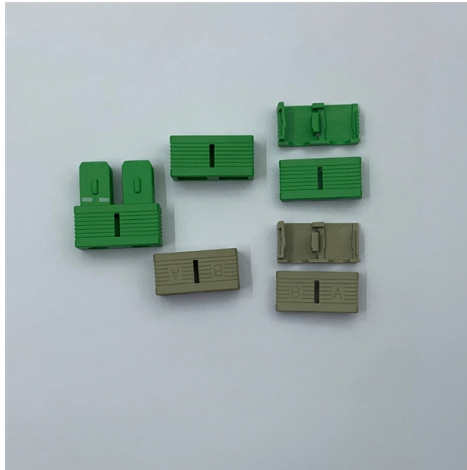


## Ultraviolet Light Detection Module



### Overview

The module includes an LM358 dual op amp which converts the current output of the sensor to a voltage and then amplifies that output so that it can be read by the analog input on an MCU for taking UV readings. The first stage op amp. The module includes an LM358 dual op amp which converts the current output of the sensor to a voltage and then amplifies that output so that it can be read by the analog input on an MCU for taking UV readings. The first stage op amp outputs a voltage proportional to  $4.3 \times \text{sensor photocurrent in } \mu\text{A}$ . If the photocurrent is  $0.1\mu\text{A}$  ( $0.09\text{mW/cm}^2$ ), then t. The module brings out the following connections. 1 x 3 Header 1. SIG or SIO= Signal Output – Connect to MCU analog input 2. GND= Ground 3. VCC= 2.7V to 5.5V. Connect to Vcc of the MCU (typically 3.3 or 5V)The module ships with the male header strip loose. The header can be soldered to the top or bottom of the module depending on the planned use or wires can be used to make the connections. For breadboard use, we put the headers on the bottom. Soldering is easiest if the header is inserted into a solderless breadboard to hold it in position during th.



## Article Content

Amazon : Uv Sensor

SpotMyUV UV Detection Stickers for Sunscreen with Patented Dermatruue SPF Sensing Technology, Know When to Reapply Sunscreen to Help Prevent

GUVA-S12SD UV Sensor Module: UV Detection

The GUVA-S12SD UV sensor module is designed to detect ultraviolet light intensity within the 240-370nm range, making it ideal for various scientific and educational

ULTRAVIOLET (UV) RADIATION SENSOR MODULE

Extend your light-sensing spectrum with this analog UV sensor module. It uses a UV photodiode, which can detect the 240-370nm range of light (which covers UVB

Arduino UV Sensor Tutorial | Measure Ultraviolet Light Index with ...

Monitor UV radiation levels with an Arduino UV sensor. This tutorial shows you how to wire up a UV sensor module, read UV index values, and build a portable sunburn-warning device or outdoor UV ...

UVM-30A UV Ultraviolet Ray Detection Sensor Module

The UVM30A UV sensor module is used for detecting the intensity of ultraviolet radiation. This module has an analog output that changes with the intensity of UV

ML8511 UV Sensor Hookup Guide

The ML8511 sensor breakout is an easy to use ultraviolet light sensor. The MP8511 UV Sensor outputs an analog signal in relation to the amount of UV

UVM-30A UV Detection Sensor Module | PDF

This document describes an ultraviolet (UV) detection sensor module that can be used with an Arduino board. The sensor module detects UV radiation intensity

Buy 3v Module DC3.-5V UV (DC3.3V Detection)

The DC3.3V-5V UV Detection Sensor Module Ultraviolet Ray Module For Arduino Sensor is a versatile light/color sensor used across a wide range of

Analog 200nm-370nm UV Detection Sensor Module

Response wavelength: 200nm-370nm; working stability: -20C-85C; testing accuracy: +/- 1UV INDEX. Operating voltage: 3.3V-5V; output voltage: DC 0-1V

Let's Workshop: UVM-30A Ultraviolet Sensor Module

Here is a quick introduction to using the UVM-30A ultraviolet light sensor module. Hopefully it will provide you with the confidence to integrate UV

uv\_koth0022e07

Hamamatsu offers a wide range of detectors, including Si photodiodes, Si APDs and CCD/CMOS image sensors, as well as modules equipped with these detectors. They can be customized to support

How ultraviolet sensors work | Description, Example & Application

Learn how ultraviolet sensors work to detect and measure UV radiation. Explore the different types of UV sensors and their applications in various industries.

ML8511 Analog Output Ultra-Violet Light Sensor Module

Description ML8511 module is an easy to use ultraviolet light sensor. The ML8511 Sensor works by outputting an analog signal in relation to the amount of detected UV light . This breakout can be very

UV sensors and sensor modules

About the post I want to continue my series about light, gesture, motion and distance sensors with this post about UV sensors, i.e. sensors for

Analog 200nm-370nm UV Detection Sensor Module

Operating voltage: 3.3V-5V; output voltage: DC 0-1V (corresponding to UV index 0-10 level). Response time: less than 0.5 seconds; Operating current: 0.06mA

GUVA-S12SD UV Light Sensor Module

Multiple detection: This module can detect sunlight, ultraviolet light, natural light intensity and other detections with high accuracy and good reliability. This module can be used in various

Using The UV Ray Detection Module GY-ML8511 with

The GY-ML8511 module has a built-in ultraviolet light sensor. The module outputs an analog signal in relation to the amount of UV light detected.

Understanding UV Detection: The Power of UVTRON Technology

The Importance of Ultraviolet Detection A major challenge in optical sensing is achieving reliable measurements in bright ambient light. One of the most common techniques to reduce the

HALJIA UVM-30A UV Sensor Module Detector for

Working temperature: -20°C-85°C Size:28\*13\*10mm (L\*W\*H) Fast response and full interchangeability Linear voltage signal output Small size, suitable for portable

Yomile GUVA S12SD Module UV Sensor Detection Module Sensor

Multiple detection: This module can detect sunlight, ultraviolet light, natural light intensity and other detections with high accuracy and good reliability. This module can be used in various

RAK12019: UV Light Detector, UV Sensor Module, UV

RAK12019 UV detector sensor Arduino module is a UV light detector. Use it in greenhouse control applications to protect your plants from UV light exposure or

Robocraze ML8511 Ultra Violet Sensor Module | UV

This module adopts a universal ml8511 UV sensor to detect the density of ultraviolet light indoor or outdoor. Ic sensor uses easy and high-integrated soi-cmos

UV A Light Sensor with I C Interface

DESCRIPTION VEML6070 is an advanced ultraviolet (UV) light sensor with I2C protocol interface and designed by the CMOS process. It is easily operated via a simple I2C command. The active

UV LIGHT SENSOR GUVA-S12SD MODULE

Use this analogue UV sensor module extends to extend your light sensing spectrum. Its UV photodiode will detect light ranging from 240-370 nm (thus including UVB and most of the UVA spectrum).

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://aitaf.it>

Email: [info@aitaf.it](mailto:info@aitaf.it)

Phone: +39 331 847 2365

Address: Via Raffaello Sanzio 11, 20149 Milan, Italy

This document is for informational purposes only. Specifications subject to change without notice.

