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UVC Click

PID: MIKROE-4144

UVC Click is ultraviolet sensing board based on GUVC-T21GH ultraviolet sensor from GenUV, capable of measuring UVC spectrum in range of 220nm up to 280nm and light intensity from 0mW/cm² up to 9.3mW/cm². With high sensitivity and good solar blindness it can be a perfect solution for monitoring sterilization lamps used in ultraviolet germicidal irradiation (UVGI), a desinfection metod that is becoming essential tool in battle against viruses and bacteria.

UVC Click board™ is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	UVC Light,Optical
Applications	It can be used for UV measurement applications, sterilization lamp monitoring, prototyping of wearables, handsets, and various consumer electronics based on received UV light
On-board modules	GUVC-T21GH
Key Features	UVC sensing with 12-bit resolution, High Sensitivity, Good Solar Blindness
Interface	Analog,I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™ Standard specification

LibStock: mikroSDK

Click board catalog

Click boards™ Standard Page

Downloads

UVC click schematic

UVC click example on Libstock

GUVC-T21GH datasheet

UVC click 2D and 3D files