

UVC Click



PID: MIKROE-4144

UVC Click is an ultraviolet sensing board which complements [UVC Light Click](#) for a ultimate ultraviolet solution. The board is based on [GUVC-T21GH](#) ultraviolet sensor from [GenUV](#), capable of measuring UVC spectrum in the 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 disinfection method that is becoming an essential tool in the battle against viruses and bacteria. UVC Click has two ways of reading UV sensor output, direct analog output value and digital output thanks to MCP3221 ADC converter.

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.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Optical,UVC Light
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™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[UVC click schematic](#)

[UVC click example on Libstock](#)

[GUVC-T21GH datasheet](#)

[UVC click 2D and 3D files](#)

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