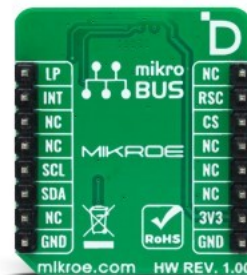
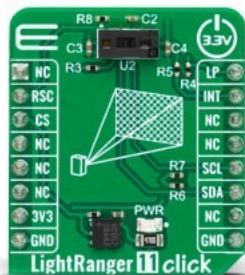


LightRanger 11 Click



PID: MIKROE-5864

LightRanger 11 Click is a compact add-on board suitable for range-finding and distance-sensing applications. This board features the [VL53L7CX](#), a time-of-flight 8x8 multizone ranging sensor from [STMicroelectronics](#). It is a fast and accurate multizone distance-ranging sensor with a 90° wide FoV. The multizone-ranging output with either 4x4 or 8x8 separate zones, width multitarget detection, and distance measurement in each zone. As a multizone-ranging device, its range is only up to 350cm. This Click board™ makes the perfect solution for the development of presence (object) detection applications, distance measurement, industrial ranging, inventory control, and many other applications.

LightRanger 11 Click 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
Applications	Can be used for the development of presence (object) detection applications, distance measurement, industrial ranging, inventory control, and many other applications
On-board modules	VL53L7CX - time-of-flight 8x8 multizone ranging sensor from STMicroelectronics
Key Features	Multizone ranging output with either 4x4 or 8x8 separate zones, multitarget detection and distance measurement in each zone, histogram processing and algorithmic compensation, motion indicator for each zone, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

[ClickID](#)

Downloads

[LightRanger 11 click example on Libstock](#)

[VL53L7CX datasheet](#)

[LightRanger 11 click schematic](#)

[LightRanger 11 click 2D and 3D files](#)

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