

IR Sense 4 Click



PID: MIKROE-5952

IR Sense 4 Click is a compact add-on board that can be used in short-range IR sensing applications. This board features the [STHS34PF80](#), a low-power high-sensitivity infrared (IR) sensor from [STMicroelectronics](#). It is a sensor for presence and motion detection and can reach up to 4m without a lens for object measuring. The sensor can detect stationary objects and distinguish them from moving objects. This Click board™ makes the perfect solution for the development of presence and proximity sensing applications, alarm and security systems, home automation, smart lighting, and more.

IR Sense 4 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS](#)™ standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board](#)™ apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	Temperature & humidity
Applications	Can be used for the development of presence and proximity sensing applications, alarm and security systems, home automation, smart lighting, and more
On-board modules	STHS34PF80 - low-power high-sensitivity infrared (IR) sensor from STMicroelectronics
Key Features	A high-sensitivity infrared presence and motion detection sensor, it can reach up to 4m, integrated silicone IR filter, is capable of detecting stationary objects, capable of distinguishing stationary and moving objects, is factory calibrated, has low power consumption, and more
Interface	I2C,SPI
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™](#)

Downloads

[IR Sense 4 click example on Libstock](#)

[IR Sense 4 click 2D and 3D files](#)

[STHS34PF80 datasheet](#)

[IR Sense 4 Click schematic](#)

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