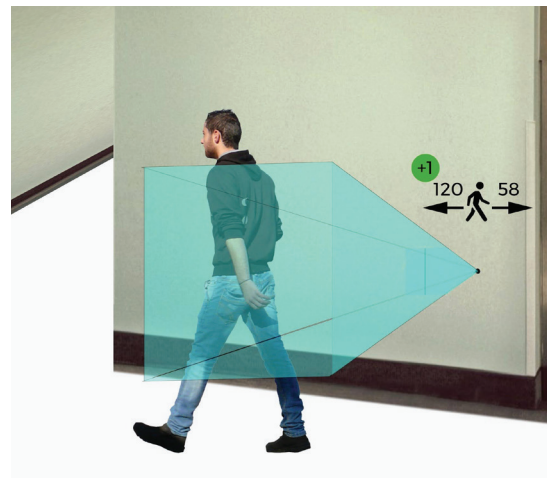# TERABEE

TeraRanger Evo People Counter

The ability to measure pedestrian or customer flow with a bidirectional people traffic counter has applications across many sectors including retail, hospitality and events, to name a few. Evo People Counter achieves this in one compact and easy to integrate ToF sensor.

Small and discreet, the sensor offers vertical and horizontal mounting options. With a 0.05m to 1.7m detection range, the sensor is ideal for measuring people flow in corridors and allows integration in door frames, furniture and Point of Sale assets.
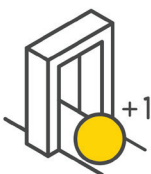
Registering the number of people who have passed by and also their direction of travel extends applications beyond people counting, facilitating. an understanding of the way people flow within and around a space.

Key features

- Bi-directional people traffic counting
- Embedded algorithm, no need for extra processing power
- Small, discreet sensor (not a camera)
- Anonymous and GDPR compliant by design
- Easy integration. Ideal for OEM design-in projects
- Low power consumption

Applications

Monitor pedestrian access and flow

Retail Point of Sale analytics

Staff deployment planning

Terabee, 90 Rue Henri Fabre, 01630,
St-Genis-Pouilly, France (5 km from Geneva Airport)

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Technical specifications

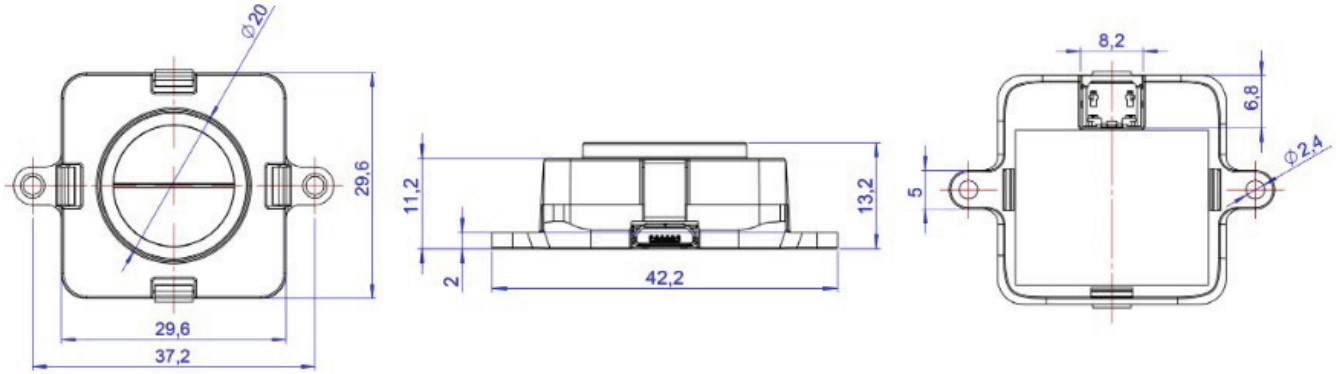| Product Code	TR-EVO-PPC-USB TR-EVO-PPC-UART
Performance	
Detection Principle	Infrared Time-of-Flight
Light Source Wavelength	940 nm
Use Environment	Indoor
Field of View	27°
Electronics	
Supply Voltage	5V DC +/-5%
Current Consumption Average	50 mA
Initialization Time	< 1 s
Communication	
Serial Interface	USB 2.0 Micro-B UART, +3.3V level, 115200,8,1, None
Visual Notification	3 x LEDs (built-in backboards)
Mechanical data	
Dimensions	42 x 30 x 13 mm (incl. backboard)
Weight	9 g (incl. backboard)
Operating Temperature	-20° C to 75° C
Housing Material	ABS
Mounting Style	2 holes for M2 screws
Type of Connection	USB Backboard: USB 2.0 Micro-B I2C/UART Backboard: DF13-7p connector
Operation	
Mode	Bidirectional People Counting
Output	Count of the number of people passing by the sensor via three metrics: People Inside (People inside = People In - People Out), People In and People Out
Range - Horizontal Mounting	~ 0.05 m to 1.5 m
Range - Vertical Mounting	~ 2.0 m to 2.5 m
Update Rate	25 Hz
Conformity	
Reference Standard	CE, RoHS

Dimensions

Installation

Back panel

Front panel

Have any questions? Contact us today!

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