

VS133



ToF People flow counting sensor

Counting the number of people entering and exiting a space

VS133 supports:

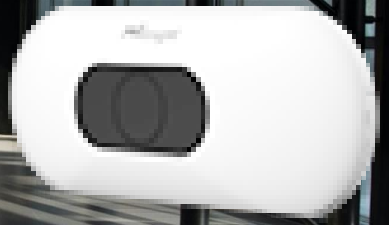
- Bi-directional counting and smart U-turn counting
- Differentiation between children, adults and detecting staffs via identification features for optimized people analysis
- Up to 99.8% accuracy
- Effective in low-light and complete darkness



VS133 is applied in shops, malls, offices, exhibitions centres, etc.

VS133 is compliant with standard LoRaWAN® gateways and network servers

VS133



ToF People flow counting sensor

Counting the number of people entering and exiting a space

Wireless transmission

Technology	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class C

People counting

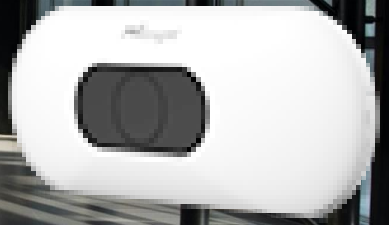
ToF Field of view	98° Horizontal, 80° Vertical
Detection range	0.5 to 3.5m
Installation height	≤ 3.5m
Accuracy	Up to 99.8%
Advanced features	Customized multiple counting lines, Filter U-turns, Bi-directional Counting, Children/Adults differentiation, Staff detection.



Gateway UG65



VS133



People flow counting sensor

Counting the number of people entering and exiting a space

Interfaces

Wi-Fi	IEEE 802.11 b/g/n, 2.4GHz
Power input	1 × DC Jack Connector

Physical characteristics

Power supply / Consumption	12 VDC, 2A / Typical 7.8 W, max 22.2 W
Local Storage	4GB Flash to store one million data
Ingress Protection	IP40
Operating Temp.	-20°C to 50°C
Relative humidity	0% to 95% non-condensing
Dimension	180 × 26 × 72 mm
Installation	Ceiling mounting, Extended ceiling mounting & Lintel mounting (with optional multifunctional bracket)

Installation Height (m)	Monitored Area (m)	Detection Area(m)
2.5	5.75 × 4.20	1.84 × 1.34
2.6	5.98 × 4.36	2.07 × 1.51
2.7	6.21 × 4.53	2.30 × 1.68
2.8	6.44 × 4.70	2.53 × 1.85
2.9	6.67 × 4.87	2.76 × 2.01
3.0	6.90 × 5.03	2.99 × 2.18
3.1	7.13 × 5.20	3.22 × 2.35
3.2	7.36 × 5.37	3.45 × 2.52
3.3	7.59 × 5.54	3.68 × 2.69
3.4	7.82 × 5.71	3.91 × 2.85
3.5	8.05 × 5.87	4.14 × 3.02