Wireless Lidar People Counter WS433-LPC

SKU: WS433-LPC

Doc No: WS433-LPC-DS-EN-10



WS433-LPC-H1.PNG



WS433-LPC-H3.PNG

Introduction

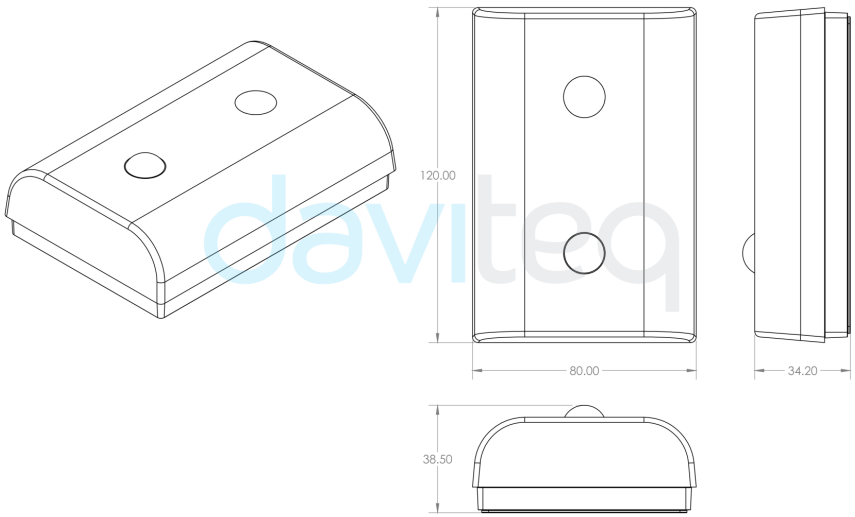
WS433-LPC is a sensor with built-in advanced Lidar sensor to detect and ranging people. It can count the people walk thru with accuracy higher than 90%. The sensor is not affected by temperature, humidity, RF noise and less affected by ambient light... The wireless portion is Sub-GHz technology from Texas Instruments allows long range transmission at ultra-low power consumption. It will connect 2-way wirelessly to the wireless co-ordinator WS433-CL to send data and receiving the configuration. It can be configured the operation parameters like data sending interval, health check cycle...remotely from Globiots platform or via ModbusRTU software (thru the WS433-CL). Its default data rate is 50 kbps, can be switched to 625 bps to increase the communication range. The sensor can last up to 5 years with type AA battery.

- High accuracy counting by Lidar;
- Distinguish people in and out;
- High performance Sub-GHz Wireless communication;
- Ultra-low power with 5 years battery;
- Plug & Play.

Typical Applications

- People counter for public toilet
- People counter for Store, shop...

DIMENSION DRAWING OF WIRELESS SENSOR
(Unit: mm)



WS433-LPC-H2.PNG

Specification

SENSOR SPECIFICATION	
Sensor technology	Lidar
Detection range	max 4m
Detection cone	27 degree
Working temperature	-40 .. + 60 oC
Working humidity	0 .. 100% RH, non-condensing
WIRELESS SPECIFICATION	
Data speed	Up to 50kbps
Transmission distance, LOS	1000m
Antenna	Internal Antenna
Functions	Sending data in interval or when alarms occur
Battery	Battery AA Type 1.5VDC and 7..48VDC (AC adapter not included
Frequency Band	ISM 433MHz, Sub-GHz technology from Texas Instrument, USA
International Compliance	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)

Vietnam Type Approval Certification	QCVN 73:2013/BTTTT, QCVN 96:2015/BTTTT (DAVITEQ B00122019)
Security Standard	AES-128
Operating temperature of PCB	-40oC..+60oC (with Lithium Ultimate AA battery)
Housing/Protection	Self-extinguisher ABS, Dust and vapor protection
Mounting	Ceiling mount
Dimension	H120xW80xD45
Net weight	< 150 grams

Ordering Code

Item code	**Descriptions**
WS433-LPC-01	WIRELESS LIDAR PEOPLE COUNTER, 433MHZ, TYPE AA BATTERY 1.5VDC, IP5X

⚠ Link for full datasheet:

⚠ Link for manual:

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