

# People Counting Sensor



The People Counting Sensor, based on Artificial Intelligence (AI) technology, **detects presence and monitors meeting room occupancy in real time** in the modern workspace.

With a detection area up to **48 m<sup>2</sup>** (installed on the ceiling) and a **95%** recognition rate, fewer sensors are needed, cutting the deployment costs for companies and organizations.

If a room is booked and yet no one shows up, the Sensor will **automatically free it up**. Then, the room status will be synced and updated on Yeastar Meeting Room Booking System and Yeastar Room Display, helping organizations **eliminate ghost meetings** and increase space utilization.

Most importantly, only counter values will be transmitted over the LoRaWAN® network, which significantly **reduces privacy concerns**.

- AI-powered, with accuracy rate of 95%
- Wider detection range (up to 48 m<sup>2</sup> with 16 mapped regions), and better yet, customize the detection regions according to the layout of your meeting rooms
- No facial recognition is involved in the detection process, and no image data is collected, free from privacy concerns
- Constantly detects presence and transmits headcount to Yeastar Room Display and Yeastar Meeting Room Booking System via LoRaWAN® Gateway
- Auto-releases rooms from ghost meetings and syncs the room status with Yeastar Meeting Room Booking System, increasing space utilization rate
- Equipped with Wi-Fi for Web GUI configuration

## Specifications

Model	VS121-470M/868M/915M-White/Black
Protocol	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16 dBm (868 MHz)/20 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class C
Field of View	190 ° Horizontal, 112 ° Vertical
Recognition Range	based on a radius of 5 meters (At the height of 3m)

Advanced Custom Setting	Up to 16 mapped regions for detection
Wi-Fi	IEEE 802.11 b/g/n, 2.4GHz, only support configuration
Button	1 × Reset Button, 1 × Wi-Fi Button
LED Indicators	1 × Wi-Fi
Power Input	1 × Type-C
Power Supply	5V / 1.5A by Type-C Port
Operating Temperature	-5°C ~ +55°C
Storage Temperature	-20°C ~ +60°C
Relative Humidity	0 ~ 95% (Non-condensing)
Color	Black/White (Optional)
Dimension	85 × 85 × 20 mm (3.35 × 3.35 × 0.79 in)
Installation	Ceiling Mounting