



# Occupancy Sensor



The Occupancy Sensor is a LoRa PIR sensor based on passive infrared technology. Coordinating with Yeastar Workplace, it can detect whether there is a movement and send the changes via LoRaWAN® network. With compact size and built-in battery, it is easy to install everywhere.

- Occupancy or motion detection based on passive infrared and Fresnel Lens
- Easily to install with the convenient size
- Built-in light sensor, combine PIR sensor to achieve triggers
- Ultra-wide-distance wireless transmission a line of sight up to 15 km
- Equipped with NFC for one touch configuration, support card emulation mode

## Specifications

Technology	LoRaWAN®, LoRa D2D
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class A
Detection Area	120 ° Horizontal, 100 ° Vertical
Detection Distance	Maximum 8 m
Status	Bright/Dark (Determine 1-60000 lux as Bright or Dark according to custom threshold)
Configuration	NFC
Advanced Feature	LoRa D2D Controller
Power Supply	1 × 1650 mAh ER14335 Li-SOCl <sub>2</sub> battery
Battery Life*	Around 4 years (30 min interval + 30 triggers per day)
Operating Temperature	-30°C to +60°C
Relative Humidity	≤90% (non-condensing)
Ingress Protection	IP30
Dimension	50 × 50 × 23.8 mm (1.97 × 1.97 × 0.94 in)
Material	Anti-flaming Polycarbonate
Color	White
Installation	On the flat surfaces with screws or 3M tapes

\* Tested under laboratory conditions and for guideline purposes only.