



4G UWB Indoor Positioning Helemt W20-UWB

Product intro :

This safety helmet is based on the W20 and features adjustable lens direction. It utilizes the Internet of Things, perception sensors, high-definition cameras, and features real-time video, recording, real-time intercom, indoor UWB positioning and other functions.
UWB high-precision centimeter level positioning
Precision up to 10cm

Mian pic :



Functions :

- Adjustable lens, support downward by 60 degrees
- Easy deployment
- UWB indoor centimeter level positioning
- Real time GPS/ track query
- 4200mAh Battery, continuous working for 8 hours
- 4G/3G/WIFI/BT
- Open API



Waterproofed



Open API



Indoor Position



Adjustable lens

Pics :



Key Parameters:

2D positioning accuracy: $\pm 15\text{CM}$ in 2D mode. Communication distance: 200 meters

6000mAh rechargeable lithium battery. Battery charging time: 3 hours.

Suggest configuring the refresh frequency range for dynamic label operation (default 10Hz): 0.1Hz~20Hz

Suggest configuring the refresh frequency range for static operation of labels to 155mm

(Default 0.1Hz): 0.05Hz~20Hz

UWB Anchor Introduction



Anchor Key Parameters:

Positioning accuracy: 15CM

Communication distance: 200 meters

Communication speed: 6M8

Power supply method: POE, serial USB, or DC5V power supply (choose one from three, not recommended to use multiple methods at the same time) Label capacity: In a single area, it can stably accommodate 4-5 labels at 10Hz, and can stably accommodate 40-50 labels at 1Hz

Weight: 127.1g (excluding accessories)

Indicator light: Blue light flashing indicates normal operation status

radio frequency: UWB 3.75GHz~4.25GHz

power: 20.5dBm/MHz

data interface: RJ45

power supply: POE IEEE 802.3af/DC 5V/ Serial USB

Rated power: <5W

Coverage: Maximum 200m (stable communication)

working temperature: -20°C~65°C