DreamLNK®
骏晔科技

Human Presence Radar Sensor
5.8G / 24G / 60G

Advantages of Intelligent Wireless Control Systems

Infrared Detector

Door/Window Sensor

Human Presence Sensor

Gateway

Audible & Visual Alarm

Infrared Detector

Smoke Alarm

Remote Controller

Doorbell

Temperature and Humidity Sensor

Water Leakage Detector

With over a decade of expertise in wireless technology and applications, DreamLNK offers a comprehensive portfolio of high-performance RF products, including 2.4G RF Modules, UART Modules, LoRa Modules, FSK Transceiver Modules, ASK TX/RX Modules, Bluetooth Modules, ChirploT Modules, Antennas, Human Presence Radar Sensor, etc.

Our products are widely applied in Smart Metering (AMR), Smart Home, Smart Cities, Smart Agriculture, Smart Transportation, Elderly Care, Industrial Automation, Wireless Sensor Networks, Environmental Monitoring, and Energy Management Systems. With certifications such as FCC, CE, UKCA, and RoHS, DreamLNK products are trusted by clients worldwide.

Guided by the philosophy of "Smart IoT, Interconnected Everything", we are committed to building a new IoT ecosystem and driving the digital and intelligent future. Our dedicated sales and FAE teams provide: Rapid Pre-sales Consultation, Customized Solutions, Professional Technical Support, and ODM/OEM Services.

Supported by a highly skilled R&D team, extensive RF experience, precision testing equipment, and a strict quality control system, DreamLNK delivers reliable, high-performance products with consistent quality.

Welcome to inquire!

About US

Shenzhen DreamLNK Technology Co., Ltd. (referred to as DreamLNK) is a high-tech enterprise specializing in low-power wireless communication technologies in the ISM band. As an active member of the China LoRa Application Alliance (CLAA) and third-party design partner for globa semiconductor leaders (including TI, Nordic, Semtech, SiliconLabs, BEKEN) DreamLNK is at the forefront of IoT innovation. Additionally, we serve as the general agent for HOPERF in South China and a strategic partner of PANCHIP, further strengthening our industry influence.
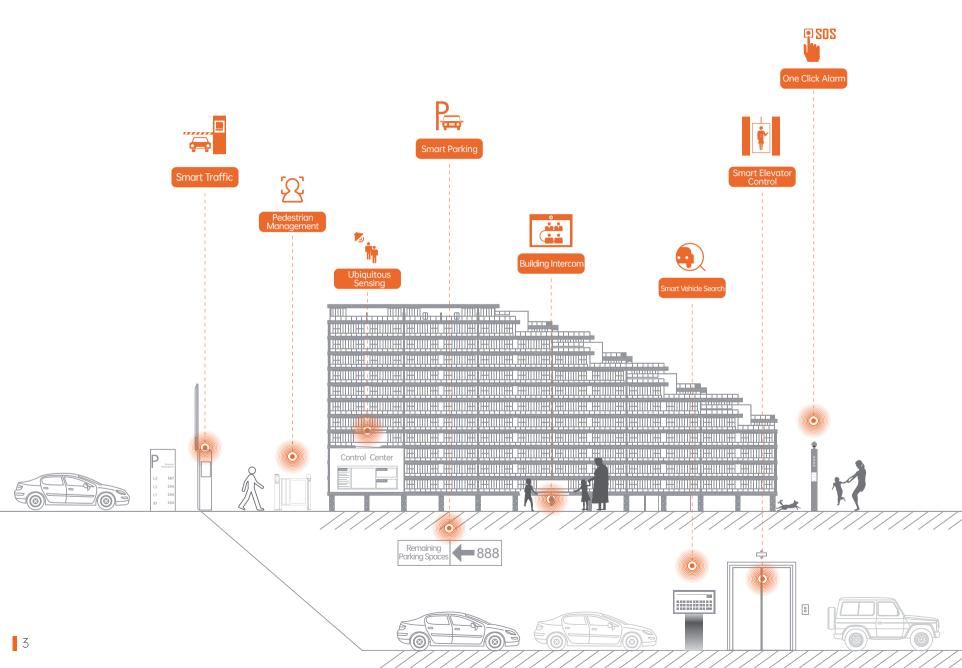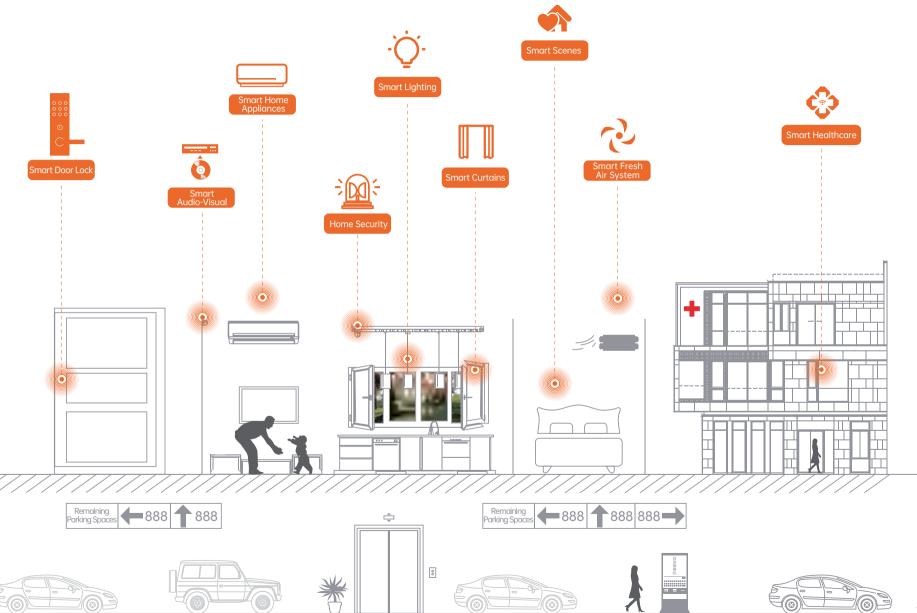
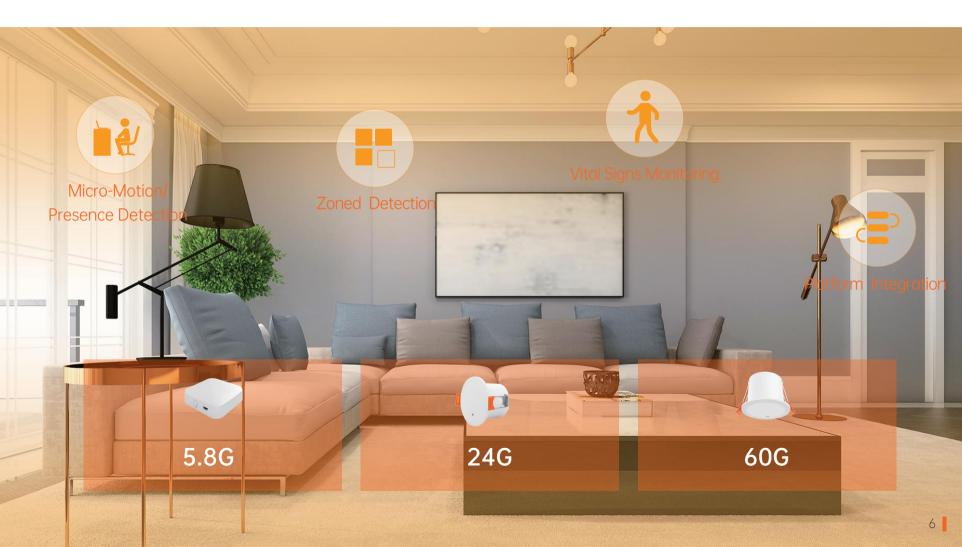|			
13 Years	Technical Experience	60 +	Invention Patents
1000 +	Solutions and Projects	200 Million	Manufacturing Capacity

With nearly 60 invention and utility model patents and numerous software copyright certifications, DreamLNK has been recognized as a "National High-Tech Enterprise", "IoT Module Expert", and "Alibaba High-Quality Manufacturer", consistently ranking among the Top 100 IoT Enterprises in China.

SOS

One Click Alarm

Smart Parking

Smart Traffic

Pedestrian Management

Smart Elevator Control

Ubiquitous Sensing

Building Intercom

Smart Vehicle Search

P
Remaining Parking Spaces
L3   567
L2   234
L1   234
B1   234

Control Center

Remaining Parking Spaces   ← 888

Smart Door Lock

Smart Audio-Visual

Smart Home Appliances

Smart Lighting

Home Security

Smart Curtains

Smart Scenes

Smart Fresh Air System

Smart Healthcare

Remaining Parking Spaces ← 888 ↑ 888

Remaining Parking Spaces ← 888 ↑ 888 888 →

Human Motion / Micro-Motion / Presence Sensor

Micro-Motion/
Presence Detection

Zoned Detection

Vital Signs Monitoring

Platform Integration

5.8G

24G

60G

Human Presence Radar Sensor

▶ M1-24G-D Series Dry Contact Optional: Low Voltage / High Voltage

- Supports ceiling/wall mounting with small aperture
- Detects motion, micro-motion, and stationary states
- 4-level sensitivity and distance adjustment
- 4-level delay time settings for unoccupied state
- Adjustable NO/NC output signal

Dry Contact

Parameters	
Power Supply	Low Voltage: DC12~48V High Voltage: AC100-250V
Adjustment Method	DIP Switch
Activation Illuminance	<10Lux (DIP Selectable)
Detection Range	4m/5m/6m/7m (Optional)
Delay Time	30s/1Min/2Min/3Min (Optional)

▶ M1-24G-T Series Tuya WiFi Optional: Low Voltage / High Voltage

- Reports human presence status
- Supports motion/micro-motion detection and sensitivity adjustment
- Configurable delay time for unoccupied state
- Supports Tuya smart linkage control
- Matte ABS shell, explosion-proof and moisture-resistant

Parameters	
Power Supply	Low Voltage: DC12~48V High Voltage: AC100-250V
Illuminance	0~3000Lux
Installation	Ceiling-mounted, φ 50mm aperture
Communication	WiFi wireless communication
Adjustment Method	Configured via Tuya App

▶ M1-24G-Z Series Tuya Zigbee Optional: Low Voltage / High Voltage

- Reports human presence status
- Supports motion/micro-motion detection and sensitivity adjustment
- Configurable delay time for unoccupied state
- Supports Tuya smart linkage control
- Matte ABS shell, explosion-proof and moisture-resistant

Parameters	
Power Supply	Low Voltage: DC12~48V High Voltage: AC100-250V
Illuminance	0~3000Lux
Installation	Ceiling-mounted, 50mm aperture
Communication	Zigbee wireless communication
Adjustment Method	Configured via Tuya App

▶ M1-24G-DW DIP Switch Low-Voltage

- Supports ceiling/wall mounting with small aperture
- Detects motion, micro-motion, and stationary states
- 4-level sensitivity and distance adjustment
- 4-level delay time settings for unoccupied state
- Widely used for hotel RCU hosts, cardless solution

Parameters	
Power Supply	DC12~48V
Adjustment Method	DIP Switch
Activation Illuminance	<10Lux (DIP Selectable)
Detection Range	4m/5m/6m/7m (Optional)
Delay Time	30s/1Min/2Min/3Min (Optional)

▶ M1-24G-TW TuYa WiFi Low-Voltage

- Reports human presence status
- Supports motion/micro-motion detection and sensitivity adjustment
- Configurable delay time for unoccupied state
- Supports Tuya smart linkage control
- Matte ABS shell, explosion-proof and moisture-resistant

Parameters	
Power Supply	DC12~48V
Illuminance	0~3000Lux
Installation	Ceiling-mounted, φ50mm aperture
Communication	WiFi wireless communication
Adjustment Method	Configured via Tuya App

▶ M1-24G-ZW TuYa Zigbee Low-Voltage

- Reports human presence status
- Supports motion/micro-motion detection and sensitivity adjustment
- Configurable delay time for unoccupied state
- Supports Tuya smart linkage control
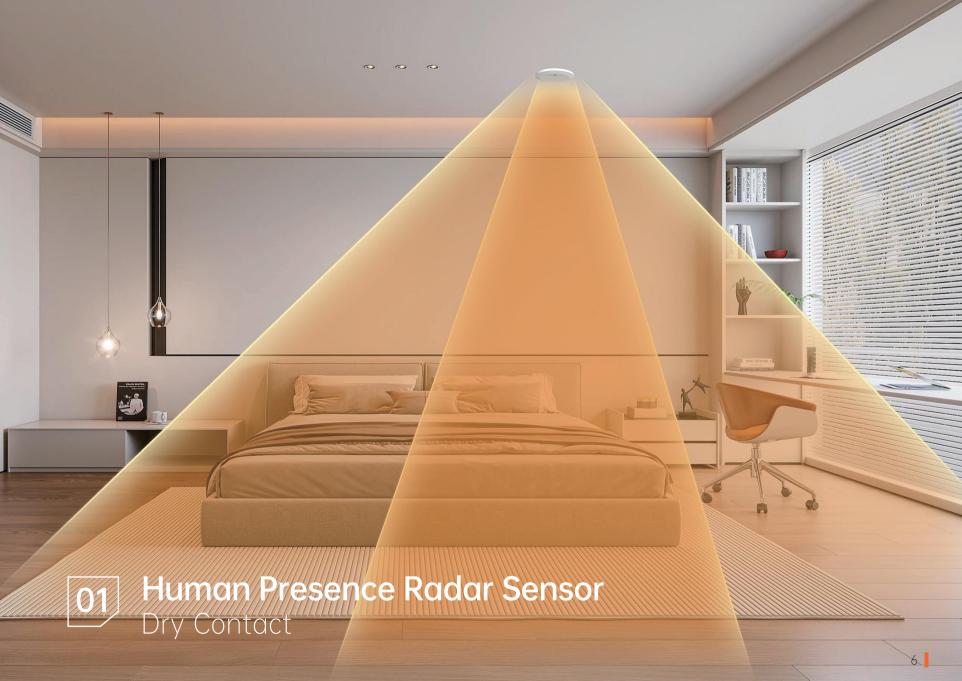- Matte ABS shell, explosion-proof and moisture-resistant

Parameters	
Power Supply	DC12~48V
Illuminance	0~3000Lux
Installation	Ceiling-mounted, φ50mm aperture
Communication	WiFi wireless communication
Adjustment Method	Configured via Tuya App

Recessed Ceiling Mount

Recommended installation height: 2~4m

Ceiling-mounted, 50mm aperture

>50mm ceiling clearance require

Human Presence Sensor · M1 Series

● Doppler effect algorithm avoids false triggers/interference beyond set range

○ Accurately detects motion, micro-motion, subtle movements (sitting, sleeping, breathing, etc.)

01 Human Presence Radar Sensor
Dry Contact

Adjustable sensitivity, multi-state detection: motion, micro-motion, stationary

Motion State
Active mode: full-room lighting

Micro-Motion State
Leisure mode: bedside lamp on
Enter reading mode

Presence State
Low sensitivity setting
Sleep mode: lights off

Breathing detection, micro-motion sensing, circular coverage for full-space management

Occupied-to-unoccupied transition: <0.5s; Unoccupied delay configurable (>30s).

Unaffected by temperature, humidity, noise, airflow, dust, or light.

Built-in microwave and light sensing

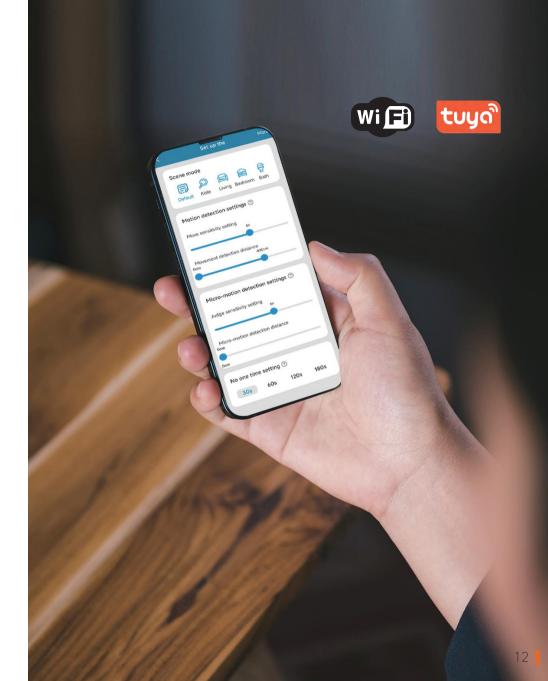| Dry Contact | Motion Detection | Micro-Motion Detection | Breathing Detection | Light Threshold | Insect Resistance | Recessed Ceiling Mount |

Tuya WiFi App

Human Presence Sensor
24G Microwave Radar

Lights on when occupied, off when unoccupied

The WiFi millimeter-wave radar human presence sensor uses 24G radar to actively detect motion, micro-motions (e.g., breathing, heartbeat).

Accurately detects occupancy, stationary / sleeping states; lights remain on when occupied.

Configure via Tuya App (sensitivity/range/delay/light sensing).

Easy pre/post-installation debugging; seamlessly integrates with ceilings.

High sensitivity, accuracy, and real-time performance

The 24.125GHz radar with advanced algorithms monitors dynamic/static human presence. Supports wireless configuration via Tuya App and seamless ecosystem integration.

Micro-Motion Detection	Breathing Detection	Motion Detection	Light Threshold	Smart Linkage

- High sensitivity/accuracy for subtle motion detection
- Non-invasive, privacy-protecting ceiling installation
- Real-time signal processing for instant response
- Strong environmental adaptability for high-precision detection

Tuya ZigBee

Human Presence Sensor
24G Microwave Radar

Motion Sensor 5

102 cm

Human status

0 lux

Move Sensitivity	Move monitoring
6x	0-400cm
Micromotion sensitivity	Micromotion monitoring
6x	0-0cm

Home   The historical record   Intelligent linkage   Set up the

Application Scenarios

Smart Hotel

- Banquet Hall
- Restaurant
- Corridor
- Guest Room
- Bathroom

Smart Office

- Office
- Conference Room
- Elevator Lobby
- Stairwell

Smart Home

- Door/Window Sensor
- Smart Bulb/Light Strip
- Smart Switch
- Smart Appliance

Smart Security

Fire Escape

Intrusion Alarm

Building System

Smart Lighting

Elevator Safety

Smart Lighting

Smart Luminaire

Smart Switch

Smart Light Strip

LED Light

Incandescent Light

Incandescent Lamps

Energy-saving Lamps

Spotlights

Ceiling Lamps

Light Strips

Switches

Energy Management

Smart Metering

Energy Statistics

DreamHome

Smart IoT, Interconnected Everything, Building the Dream Home