![Smart Bridge logo]

# 9610N-003 `WiFi`
# Human Detector

**IoT**

**Smart innovation** in worldwide vision. And we are giving you more comfortable and easier lifestyle for the future — Smart Living, Smart City, Smart Home and Smart Healthcare application solutions.

*Made in Taiwan*

# 9610N-003  Human Detector

Human Detector is a new product using high-precision Thermopile Array sensor to detect body temperature and individual distributions within a given area.  And determine whether or not individuals are present.

This feature allows further control of external equipment, raising the quality of life and brings valuable opportunities in developing system.  Like an eco-friendly solution for a comprehensive Smart Cities and Smart Buildings, Smart Offices experience for end users.

## 1  Product Feature

- **Solution —** to solve the limitation of PIR
- **Accuracy —** low false alarms, high reliability
- **Close to lifestyle —** focus on adapting situations
- **Fit Design —** easy to install and use
- **Auto-adjustment —** the system automatically adjusts the ambient temperature
- **Range —** distance 5-6 m, view angle 35°

## 3  Working Principle

- Thermopile Array sensor
  FIR (8~15um wavelength)

Human Detector is built with 8x8 resolution Thermo Imaging technology for best sensing results. It is able to conduct data processing and analysis. Furthermore, to obtain the most accurate data points, our product performs auto-adjustments and auto-correction when in action to collect more analyzable data throughout the sensing process.
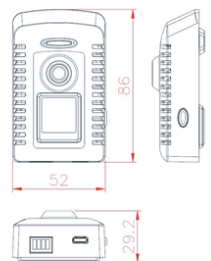
The combination of high resolution Thermal Imaging technology, and advanced data collection technology make our Human Detector a cutting-edge and versatile product providing countless opportunities and applications.

## 2  Detection Methodology

- **Office —** Detect person to achieve energy saving
  *Presence：Actively power on
  *Empty：Actively power off
- **Ward —** the patient is in bed or not
  *Presence：Patient in bed
  *Empty：out of bed/how long/when out of bed
- **Kitchen —** chef in the kitchen/how long away/ safety or not
- **Restriction Area —** detect entering or exiting anytime

## 4  Product Specification

- Detection range
  - Distance：5-6 meters
  - View angle：35°
- Operation temperature
  - up to 30°C

86
52
29.2

## 5  OEM / ODM

Provides modules for enterprise development. Users can create their own application interface for Smart energy-saving, safety, and surveillance products.

Easy Setup   Camera-Less   Auto Detection   No Radiation   Certification