

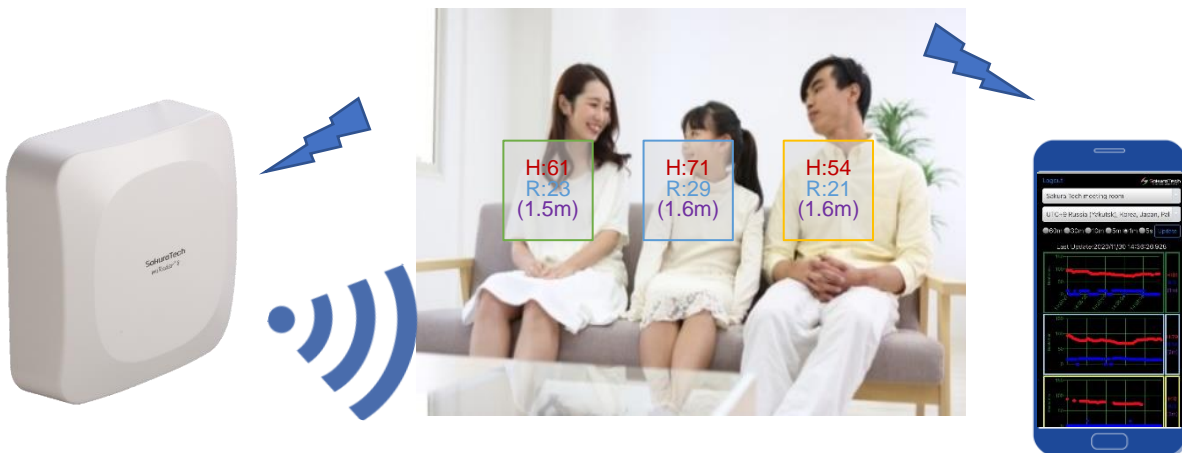
# Standalone Vital Sign Monitoring Sensor

## FEATURES

- Integrated the miRadar<sup>®</sup>8 Radar sensor module and Signal Processing unit
- Four human data of Heart & Respiration Rates can be measured simultaneously
- Distance and Angle data included
- Works with IoT Cloud system
- Ethernet / WiFi interface for remote monitoring

## Applications

- Intrusion / People detection system without camera for Security
- Nursing care service 24/365 day monitoring for daily Health check
- Wellness / Fitness Health monitoring



## Specifications

- 24GHz FMCW Radar, certified ARIB-STD-T73 (Japan)
- Detection Range: less than 5 meters (up to 10m dependent upon environment)
- Field of View:  $\pm 40^\circ$  Horizontal,  $\pm 8^\circ$  Vertical
- Number of detection: 4
- Power: 5 Vdc
- Interface: Wireless-LAN, TCP/IP
- Size: 125 x 125 x 45 mm

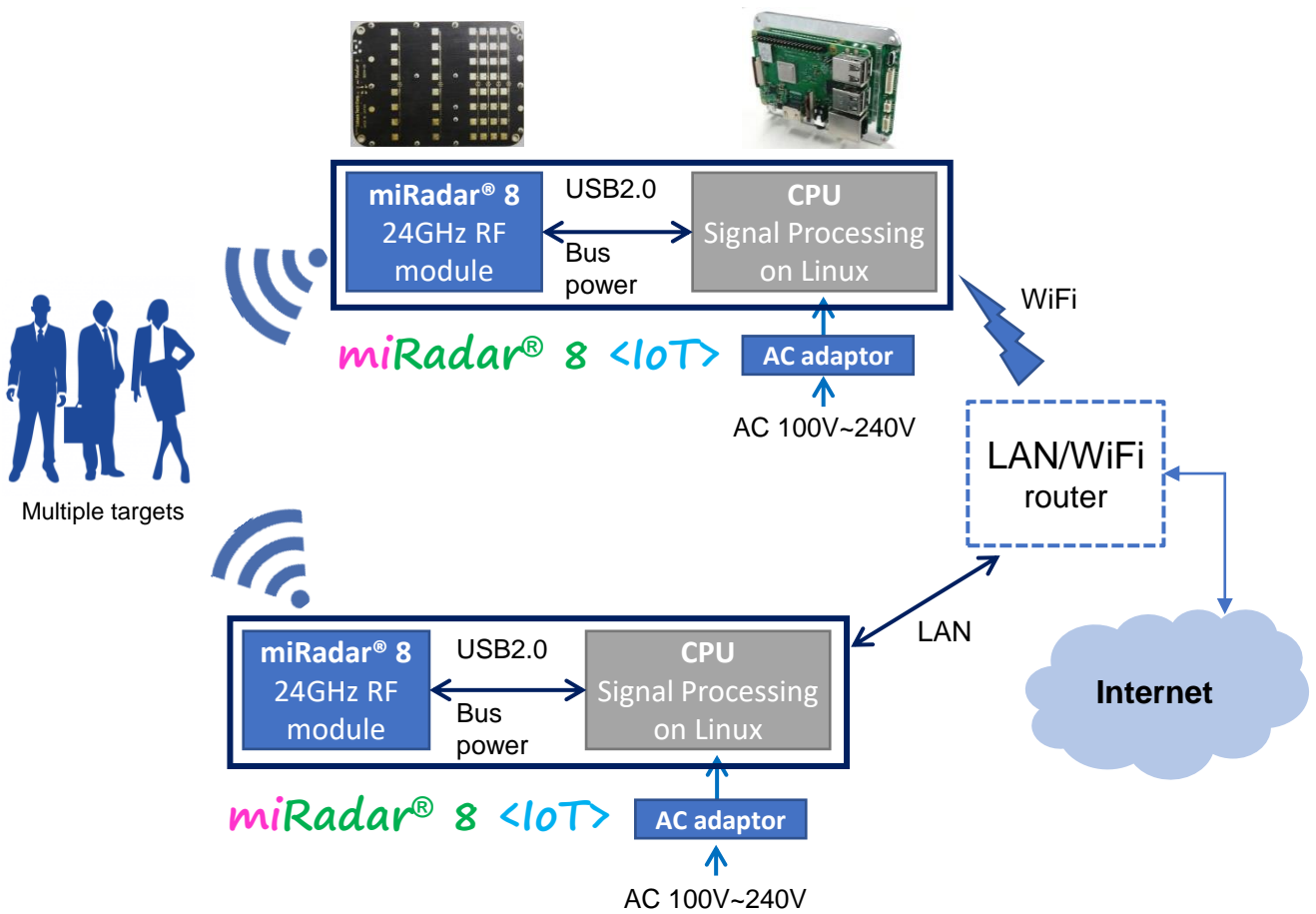
## Host Interface

- Ethernet TCP/IP
- WiFi 2.4GHz

## Software

- API command-based control over TCP/IP
- Sensor parameter configurations for measurement modes
- Data detection for distance, azimuth, heart rate, breathing rate, and so on.
- Data format: polar plot, range plot.
- Data storing and restoring (CSV format)

## Sensor Block diagram



## Order Guide

Model Number	Description	Comment
B278-02	Vital Sign Monitor	AC Adaptor (bundled)
DsM-008	Wall attachment	
DsU-010	AC Adaptor (+5Vdc)	

Note : Any product appearances, specifications, etc. are subject to change for improvement without prior notice. When exporting the product, confirm the country of destination, application, and customer. If any of them falls into an objective requirement, please take the necessary procedures, including export certificate application.

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