



Impulse Radio Ultra WideBand Radar Sensor

Combination of All Traditional Sensor Functions into One

TECHNICAL FEATURES

- Safety**
 - Human Presence Detection without Privacy Risk
 - Monitoring of Elderly People Who Live Alone
 - Presence Detection Near Heavy Machinery
- Security**
 - See-Through-Wall & See-Through-Box Monitoring
 - Intrusion Detection, Radar Fence
 - Human and Non-Human Differentiation
- Smart Space**
 - 2D/3D Positioning & Tracking
 - People Counting & Crowdedness Measurement
 - Moving & Gazing Direction Recognition
 - Sweet Spot Detection in Shopping Mall
- Healthcare**
 - Non-Contact Sleep Monitoring
 - Non-Contact Fetal & Baby Monitoring
 - Behavioral Disorder Monitoring for Children
 - Vital Sign Monitoring for Big Animals
 - Vital Sign Monitoring in Sports
 - Non-Contact Vital Sign Measurements
- Energy Savings**
 - Presence Detection of Vehicles and Pedestrians on Streets
 - Street Lamp Control
 - Building Energy Management System (BEMS)
- Smart Appliances**
 - Positioning and Tracking of a Finger for Digital Mirror
 - Smart Control for Home Electronics
- Gesture Recognition**
 - Smart User Interface
 - Gesture Recognition
 - For Smart Devices, Home Electronics and Automotive
- See-Through-Wall Detection**
 - Wall Material & Width Estimation
 - Positioning and Tracking Behind Wall
 - Wall Scanner
- Radar Imaging**
 - Phased Array for 2D/3D Imaging
 - See-Through-Wall & See-Through-Box Imaging
- Automotive**
 - Gesture Recognition for Infotainment System Control
 - Collision Warning System
 - Parking Assistance System
 - Blind Spot Monitoring

APPLICATIONS

Heavy Machinery Safety

Presence Detection

Sweet Spot Detection

Street Lamp Control

Healthcare Monitoring

Crowdedness Monitoring