

## IR-16ZBS Passive Infrared Motion Sensor

## Sensitive Detection, Smart Flexibility



The IR-16ZBS is a ZigBee motion sensor that detects and reports suspicious movements to security or home automation systems. Compatible with any ZigBee products adopting the ZigBee Pro HA 1.2 standard, this two-way wireless sensor can be flexibly incorporated into new or existing ZigBee systems to deliver quality detection.

The microprocessor-controlled IR-16ZBS utilizes Adaptive Digital Signal Processing (ADSP) algorithms to maintain stable yet highly sensitive detection by passive infrared technology regardless of environmental changes or outside interference. The sensor's two selectable sensitivity levels can be easily adjusted so that alarms are not set off accidentally.

Powered by a pre-inserted lithium battery, the IR-16ZBS features long battery life and automatic power-saving mechanism. High-power and low-power models of the IR-16ZBS are both available to meet different operational needs. Technologically advanced and aesthetically appealing, the IR-16ZBS stands out as a broadly applicable device ready to make your home or business safer and smarter.

- Detects and reports suspicious movements
- Detection range: 12 meters over a 110° angle
- Option of high-power and low-power models
- Long battery life
- Compatible with other manufacturers' ZigBee devices

### Features

- Detects suspicious movements by passive infrared technology
- Option of high-power and low-power models to meet different operational needs
- Long battery life
- Two-way communication
- Microprocessor-controlled with advanced Adaptive Digital Signal Processing (ADSP) algorithms
- Detection range: 12 meters over a 110° angle
- Two selectable sensitivity levels
- Randomized supervisory signals for system integrity checks and troubleshooting
- Surface/corner mount with tamper protection against removal
- Superior white light and noise rejection
- Automatic power-saving mechanism
- Low battery detection
- Temperature compensation for sensitivity control
- Compatible with other manufacturers' ZigBee products
- Easy installation
- Insect-proof
- LED serves as a fault/test mode indicator
- Indoor use only
- CE compliance

## IR-16ZBS Passive Infrared Motion Sensor

### Specifications

#### IR-16ZBS

Battery type	CR123A 3V lithium battery x 1
Battery life	Low-power model: 4.8 years* High-power model: TBD
Communications protocol	ZigBee Pro HA 1.2
Transmit power	Low-power model: +4 dBm High-power model: +19 dBm
Frequency	2.4GHz band
Operating temperature	-10°C to +45°C
Operating humidity	Up to 85% non-condensing
Dimensions	87.7mm x 66.4mm x 47.7mm

\*Note: Battery life varies by use and configuration.