

VST-852EX Outdoor Camera PIR Sensor

Delivering Outdoor Alarm Images for Visual Verification



- **Waterproof housing for outdoor applications**
- **Optimum camera coverage**
- **High-quality color VGA/QVGA alarm images**
- **Four pet immunity levels**
- **Eliminates false alarms**
- **Extensive communication range**

The VST-852EX is an outdoor ZigBee camera PIR sensor snapping high-quality color images for visual verification. This camera PIR sensor, which provides complete camera coverage of the monitored area, leaves no blind spot when capturing alarm scenes. The VST-852EX can be configured to send 3 color VGA alarm images (640 x 480 pixels), 6 color QVGA alarm images (320 x 240 pixels), or 3 color QVGA alarm images. It also snaps and dispatches a real-time color image to the CMS or the user when requested.

As many police departments now respond only to visually verified alarms in order to cut wasted resources, the VST-852EX has become an indispensable component of any home security system. The VST-852EX provides four adjustable pet immunity levels—low, medium, high and superior—to prevent false alarms caused by animals up to 75 cm/60kg (132lbs). Its dual sensors and advanced adaptive digital signal processing (ADSP) algorithms also enhance accurate detection to further eliminate the chances of reporting false alarms.

The VST-852EX's communication range can be flexibly extended through the deployment of ZigBee routers. Equipped with IR illumination, the VST-852EX operates even in total darkness and carries out night surveillance up to six meters. This device is waterproof to IPX5 standard to guarantee safe and weather-resistant outdoor applications.

Features

- PIR camera with dual sensors for outdoor surveillance
- Optimum camera coverage
- Three alarm image processing options:
 - 3 color VGA alarm images (640 x 480 pixels)
 - 6 color QVGA alarm images (320 x 240 pixels)
 - 3 color QVGA alarm images (320 x 240 pixels)
- Dispatches one real-time image on request
- CMOS camera with IR illumination also operates in total darkness
- Night surveillance up to six meters
- AES encryption technology provides transmission security
- Microprocessor-controlled with advanced adaptive digital signal processing (ADSP) algorithms
- Installation angle is manually adjustable via a supplied rotating bracket
- Pet immunity level can be adjusted via a DIP switch
- Four levels of pet immunity: low (75 cm/60kg [132lbs]), medium (60 cm/40kg [88lbs]), high (45 cm/30kg [66lbs]) and superior (30 cm/20kg [44lbs])
- Automatic temperature and lux adjustments prevent false alarms
- Waterproof to IPX5 standard
- Supervisory signals ensure proper operation
- Low battery detection
- Automatic power saving mechanism
- LEDs indicate faults and test modes
- Tamper protection
- Compatible with other manufacturers' ZigBee products
- Compliant with CE and EN requirements

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Specifications

Electrical	
Power supply	AA 1.5V lithium battery x 2
Battery life	2.5 years
PIR	
Motion detection range	1 m to 11 m
Motion detection angle	90°
Motion sensing type	Dual element
Camera	
Camera type	VGA CMOS camera
Camera response	Less than 100 milliseconds
Horizontal angle	102°
Night illumination	1 infrared LED
Night illumination switching	Automatic
Environmental	
Operating temperatures	-10°C to +45°C
Operating humidity	Up to 95% non-condensing
Mechanical	
Dimensions	67.84 mm x 77 mm x 163 mm
Installation height	2.3 m