

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 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 (60kg [132lbs]), medium (40kg [88lbs]), high (30kg [66lbs]) and superior (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
- 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	-20°C to +60°C
Operating humidity	Up to 95% non-condensing
Mechanical	
Dimensions	67.84 mm x 77 mm x 163 mm
Installation height	2.3 m