

VST-862-F1 Camera PIR Sensor

Optimum Camera Coverage, Premium Image Quality



- Extensive Communication Range
- Advanced Penetration Rate
- Enhanced Data Transfer Speed
- Dynamic Speed Adjustment Algorithm
- Optimum Camera Coverage

The VST-862-F1 is Climax's next generation PIR motion sensor camera leveraging F1 technology with long RF communication range, enhanced penetration and sensitivity rate, immediate image transfer rate, and advance dynamic speed adjustment algorithms. The VST-862-F1 has a unique antenna designed with maximized receiver sensitivity to ensure precise transmission and reception of signals, resulting in enhanced penetration rate, allowing users and installers to flexibly set up on large or complicated premises.

VST-862-F1 features advanced dynamic speed adjustment algorithms to maintain high stable reception that automatically adjusts accordingly based on signal quality and further enhances frequency reliability to increase data transfer speed, resulting in instant delivery of alarm reporting.

With wide-angle camera lens, the VST-862-F1 features complete coverage with no blind spots, plus its combination of color VGA/QVGA images ensures that all details vital to visual alarm verification are promptly notified to users. The option of adding on infrared (IR) fill light in the VST-862-IL-F1 helps produce better images in night and darkness, further enhancing night vision. Technologically advanced and aesthetically appealing, the VST-862-F1 stands out as a broadly applicable device ready to make your home or business safer and smarter.

Features

- Advanced Dynamic Speed Adjustment Algorithms to maintain stable and fast image transfer speed based on signal quality
- Wide camera field of view leaves no blind spots
- Captures one, three, or six images when irregular motion is detected
- Two adjustable sensitivity levels: High / Normal
- Three alarm image processing options:
 - One color VGA (640x480 pixels) alarm images
 - Three color QVGA (320x240 pixels) alarm images
 - Six color QVGA (320x240 pixels) alarm images
- F1 technology accelerate the speed of signal transmission, boosts communication range
- Low battery consumption
- Delivers one image upon request
- Night illumination capability
 - Warm white fill light covering up to 5 meters
 - Infrared (IR) fill light covering up to 7 meters outdoor, 10 meters indoor (room size limited to 10m x 6m)
- LEDs indicate faults and test modes
- Regular supervision signals ensure proper operation
- Tamper protection to prevent unauthorized sabotage
- Low battery detection
- Wall bracket for flexible installation
- Compatible with Climax's F1 gateways/control panels
- Suitable for security and home automation usage

VST-862-F1 Camera PIR Motion Sensor

Specifications

PIR Motion Sensor	
Range	10 meters
Horizontal Angle	90° degrees
Installation Height	2 meters
Camera	
Lens	VGA CMOS Camera
Field of View	(H) 102° degrees
Resolution	640 x 480 pixels or 320 x 240 pixels
Night Illumination	Warm white fill light covering 5 meters (VST-862-F1) Infrared (IR) fill light covering 7 meters outdoor, 10 meters indoor with room size limited to 10m x 6m (VST-862-IL-F1)
Mechanical	
Frequency	433MHz / 868MHz
Power Source	3V, CR123A Lithium batteries x 3
Battery Life	5.5 years*
Range	400m – 900m in open space
Data Rate	10k, 20k, 30k, 50k, 80k
Transfer Speed (16k bit Photo Transfer Rate)	80k: 8 seconds 50k: 11 seconds 30k: 17 seconds 20k: 21 seconds
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	52.1mm x 72mm x 120mm

* Note: Actual battery life may vary with product settings, operating environment and usage.

Ordering Information

VST-862-F1	Camera PIR Motion Sensor with extensive RF range and warm white fill light, compatible with Climax F1 gateways/control panels
VST-862-IL-F1	Camera PIR Motion Sensor with extensive RF range and infrared (IR) fill light, compatible with Climax F1 gateways/control panels