



Higher Security Achieved with Anti-masking via Infrared Technology



VST-897

HD PIR Motion Sensor Camera

- Infrared Technology improves anti-masking using over-the-lens detection method
- Transmits HD images via RF channel for visual verification
- Enhancing visual alarm verification speed in less than 4 seconds

VST-897

HD PIR Motion Sensor Camera



VST-897 is a new generation passive infrared (PIR) motion sensor camera with new and improved anti-masking over-the-lenses detection by Infrared Technology, detecting attempts to blind the device by placing objects in its field of view or by covering or painting. It also comes with enhanced transmission speed, capable of capturing HD images (up to 1280 x 720 pixels) to the Control Panel upon movement detection. The camera adopts revolutionary SF1 technology, supporting transfer of HD images by RF network. Infrared Technology infused within the lenses further improves anti-masking functionality.

VST-897 incorporates Infrared Technology to enhance anti-masking with over-the-lenses detection. By utilizing infrared technology within the lenses, the camera can effectively detect alterations or obstructions in its view, heightening security. Meanwhile, VST-897 accelerates VGA/QVGA alarm image transmission speed by 2 to 3 times compared to current rates. Due to faster processing, the motion sensor camera can send HD images for more detailed verification.

Currently, motion sensor cameras only support Wi-Fi for HD image transfer, which is prone to signal interferences and requires AC power. VST-897 enables HD image transfer via RF network, reducing signal interference and ensuring smoother data transmission. It also supports battery operation, making devices easier to install and more flexible to use at various locations. VST-897 consumes ultra-low power, extending battery life and reducing maintenance costs.



Over-the-lenses anti-masking



HD Image Transfer



Faster Speed



Remote control:
Pet immunity on/off

Improved Anti-Masking via Over-the-Lens Method and Infrared Technology

Anti-masking is improved through the over-the-lens method and Infrared Technology, detecting deliberate attempts to mask or cover the lens using various materials, such as paint, opaque liquids, plastic, cardboards, or fabric.



High-Speed File Transfer

Accelerates alarm image transmission with QVGA in less than 4 seconds and VGA in about 12 seconds, realizing file transfer at ground-breaking speed.



Higher Installation Height

The recommended installation height is at 2.3 – 2.5 meters above ground, which allows additional anti-intruder capability to enhance security measures.



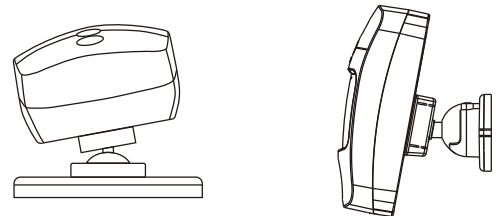
HD Image Transmission

With heightened processing speed, the camera transmits HD images (up to 1280 x 720 pixels) for more comprehensive alarm visual verification.



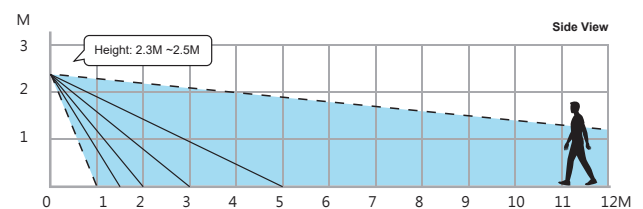
Adjustable Angle

When mounted with the optional rotating bracket, the angle of product can be easily adjustable for optimal positioning.



Detection Range

The IR motion sensor is designed to give a typical detection range of 12 meters when mounted at the designated installation height.



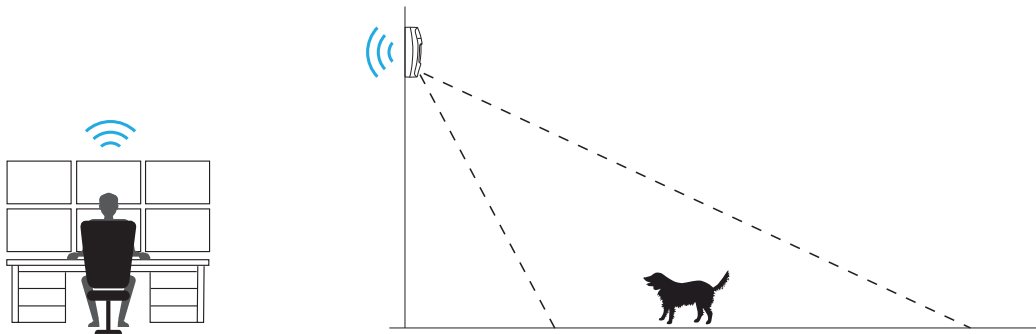
Night Vision

The night vision range extends up to 10 meters, either via a white LED flashlight which can emit warning flashing alerts, or via Infrared (IR) for discreet night vision.



Pet Immunity Control

It provides pet-immunity up to 25 kilograms with two selectable sensitivity levels to accommodate different environments. Users can also configure settings remotely.



Other Features

- Picture quality of up to 1280 x 720 pixels
- A detection range of 12 meters when mounted at 2.3-2.5 meters above ground
- Pet immunity enabled / disabled by remote control setting
- Pet weight: Up to 25 kilograms
- Three alarm image processing options:
 - One color HD (1280x720 pixels)
 - Three color VGA (640x480 pixels)
 - Six color QVGA (320x240 pixels)
- Delivers one image upon request
- EN 50131 grade 2, class II & INCERT certified
- Night illumination capability
 - Warm white fill light covering up to 10 meters
 - Infrared (IR) fill light covering up to 10 meters
- Anti-masking feature allows for detection of any attempts to blind the detector
- Tamper protection to prevent unauthorized sabotage
- AI Detection determines human presence in images, helping the Central Monitoring Station prioritize alarms and improve response times (for AI models only)
- Support for OTA firmware update

Specifications

VST-897 HD PIR Motion Sensor Camera

PIR Motion Sensor	
Range	12 meters
Horizontal Angle	90° degrees
Installation Height	2.3 – 2.5 meters
Camera	
Lens	HD CMOS Camera
Field of View	(H) 106° degrees
Resolution	1280 x 720 pixels, 640 x 480 pixels or 320 x 240 pixels
Anti-masking	Location with object covering the lenses at a distance up to 20 cm and closer; painting; sticking
Night Illumination	Warm white fill light covering 10 meters (VST-897), Infrared (IR) fill light covering 10 meters (VST-897-IL)

Mechanical	
Frequency	868MHz / 433MHz / 919MHz
Power Source	3V, CR123A Lithium battery x 3 1.5V, AA Alkaline battery x 2
Battery Life	Lithium: 5.8 years* Alkaline: 3 years*
RF Range	400 m - 900 m in open space
Mounting Options	Wall / Corner mount
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing @23°C
Dimensions	135.37mm x 70.06mm x 60.22 mm

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

Ordering Information

VST-897	HD PIR Motion Sensor Camera with warm white fill light, with anti-masking
VST-897-IL*	HD PIR Motion Sensor Camera with infrared (IR) fill light, with anti-masking
VST-897L	HD PIR Motion Sensor Camera with warm white fill light, without anti-masking
VST-897L-IL*	HD PIR Motion Sensor Camera with infrared (IR) fill light, without anti-masking

**Black case is currently available for VST-897-(IL) models only*