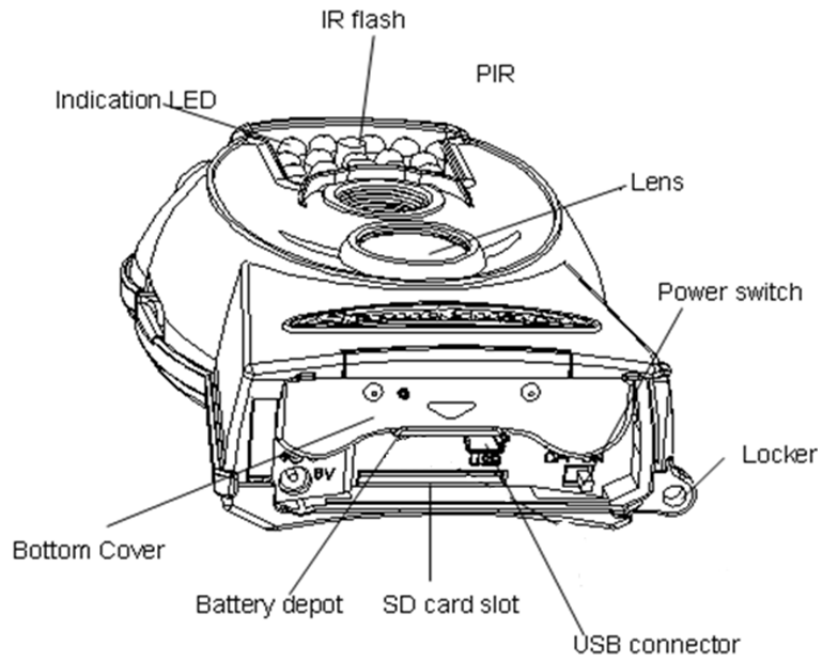


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## 1. Getting Started



## 2. Camera Operations

### 2.1 Batteries / Power Supply

The camera is powered by four or eight AA batteries - High-density, high-performance alkaline, rechargeable Alkaline or NiMH batteries are recommended. When the batteries are low, the camera will beep twice and automatically shut down.

A DC 6-Volt, 2 Amp external power supply adapter can also be used to power the camera (not included).

### 2.2 SD Card Information

To take full advantage of the latest technologies, we recommend Class 10 SD cards or better, which have fast transfer speeds and long durability for extensive shooting in the most extreme outdoor conditions. Secure Digital High Capacity (SDHC) PRO cards work with SDHC compatible devices only - Please check that your product is compatible with SDHC cards.

- **Insert the SD card into the camera before turning on the camera**  
This camera supports up to a 32GB capacity SD card and has no built-in internal memory. The camera will not function without the SD card properly inserted into the camera.
- **Make sure the SD card is unlocked before inserting the SD card into the camera**  
The camera will operate normally with a locked SD card inserted, but the card will not be able to store captured images or videos taken by the camera.
- **Do not remove the SD card while the camera is on**  
By removing the SD card while the camera is on risks damaging the internal components of the camera.
- **If you experience any problems with an inserted SD card**  
Try reformatting the SD card, utilizing the camera's main settings option.

### 2.3 Camera Modes

The different modes are accessed by sliding the power switch to the different positions marked on the camera:

- **OFF Mode**  
Turns the camera off. The camera will still consume a small amount of power while in OFF mode. It is recommended to remove the batteries if the camera will not be used for a long period of time.
- **ON Mode**  
Camera will take pictures or video when motion is detected and/or at specific time intervals, according to the programmed settings. After switching the camera to the ON position, the motion indicator LED (red) will blink for about 10 seconds and then turn off. This preset time allows you to adjust the cameras position if needed, before the camera becomes active.

## 2.4 Manual Image / Video Capturing

Place the camera in ON mode and press SHOT to manually capture photos or record video. Press SHOT again to stop capturing video.

## 2.5 Manage Images and/or Videos

Place the camera in ON mode and press OK to view images or videos. The latest image or video will be shown on the LCD screen.

- **To view:**  
Press ▲ or ▼ to view the previous or next image or video. Video cannot be viewed on the remote control.
- **To delete:**  
Find the image or video you want to delete. Press the MENU key. Press OK to delete or MENU again if you decide not to delete the image.

## 2.6 PIR Triggering

The camera will activate when motion is detected. If the PIR Trigger option is set to OFF, the camera will not respond to any motion within the camera's range.

### **Additional PIR settings to note:**

- **PIR Interval**  
This setting indicates how long the PIR sensor will be disabled after each camera triggering. During this interval time, the camera will not react to any detected motion or activate at the scheduled Time Lapse interval.

## 2.7 Additional Notes

- **I've noticed there is a loose moving part that partially covers the lens on my trail camera**  
On this model, the visible moving part is an IR-Cut filter and it's designed to be free floating when not in use. During the day, a day/night camera uses the IR-Cut filter to filter out IR light (fully covering the lens), so it does not distort the colors of images as the human eye sees them. When the camera is in night mode, the IR-Cut filter is removed, which allows the camera's light sensitivity to fully operate in the darkness. The reason for the loose floating design of the IR-Cut filter is to minimize battery consumption and to minimize small moving parts that may wear out over use.

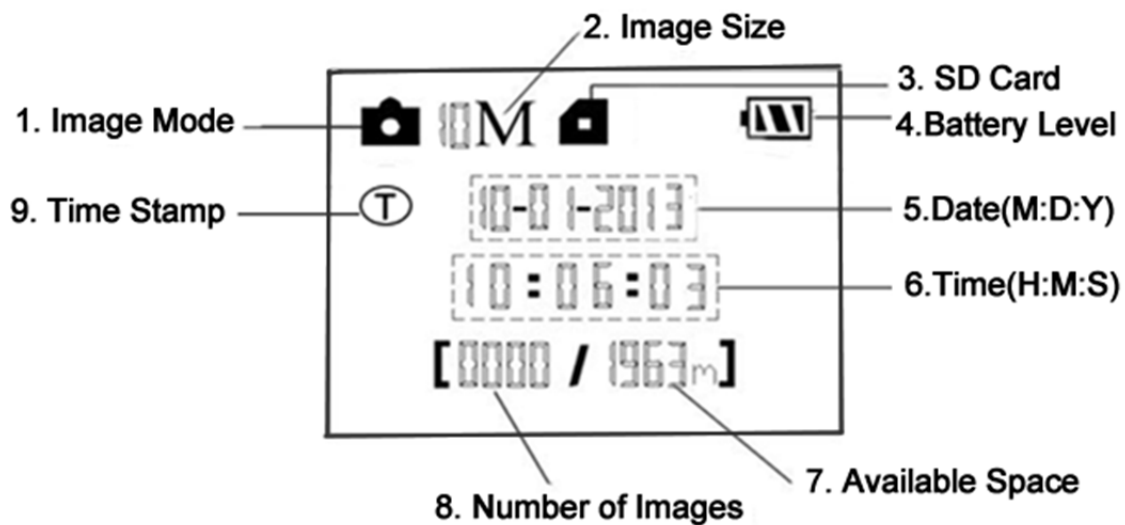
## 3. Camera Setup Settings & Display

### 3.1 Remote Settings Interface & Display

To update the camera settings, place the power switch to the ON position - The wired remote must be plugged into the camera in the USB connector port, located on the bottom of the camera.

- **MENU: View camera settings**
  - ▲▼◀▶ : For parameter settings
  - OK : Save parameter settings and play videos
  - SHOT : Exchange between playback and preview
  - 📷 : Capture a photo or record a video manually

When the camera is in ON Mode, when plugged into the camera, the screen on the remote will activate and display the following:



### 3.2 Camera Setup Options

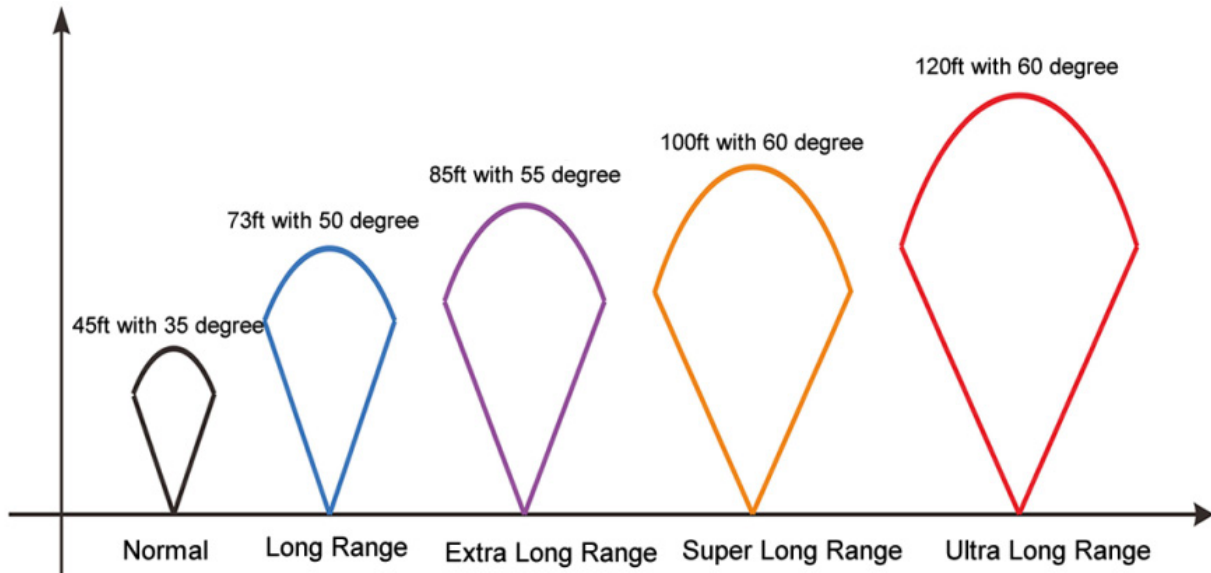
To view the camera settings menu, slide the power switch to ON mode and press MENU on the remote. Use ▲ or ▼ keys to select the sub-menu. Use ◀ or ▶ keys to select the different options. Press “OK” to save the settings.

**After changing EACH setting in the Setup menu, you must press OK or the camera will retain the previous setting.**

*Dependent on the model and firmware version, not all Menu options may be available on your specific camera.*

Menu Options	Descriptions
<b>Camera Mode</b>	Choose between capturing images, videos or both at the same time: Photo, Video, Pic+Video <b>Default: Photo</b>
<b>Set Clock</b>	Set the cameras date and time. The date format is month/day/year. The time format is hour: minute: second. The valid values for the year is between 2015 and 2050.
<b>Photo Size</b>	Choose the image size: 5MP or 10MP – 5MP or 12MP (mega pixel) options are available. <b>Default: 10 MP /12 MP</b>
<b>Photo Burst</b>	Choose the number of photos taken after the camera is triggered: 1 Photo, 2 Photo, or 3 Photo. <i>If Pic+Video is selected, Photo burst defaults to 1 photo, regardless of entered value.</i> <b>Default: 1 Photo</b>
<b>Video Size</b>	Choose the video size: 1280x720 or 640x480. <b>Default: 1280 x 720</b>
<b>Video Length</b>	Choose the duration of the video recording: Valid values extend from 5 to 60 seconds with a one second delay. Press ◀ and ▶ keys to decrease or increase the video length. <b>Default: 10 seconds</b>
<b>PIR Trigger/Sensitivity</b>	This setting is for the sensitivity of the PIR sensor. There are four sensitivity parameters: High, Normal, Low and Off. It is recommended to use HIGH sensitivity in areas with little environmental interference and also for warmer, humid temperatures or climates. Use LOW sensitivity for areas that have a lot of interference. The sensitivity of the PIR is effected by temperature. Higher temperatures leads to lower sensitivity. <i>If PIR Trigger/Sensitivity and Time Lapse options are BOTH OFF, the camera will not capture any photos or videos.</i> <b>Default: Normal</b>
<b>PIR Interval</b>	This setting indicates how long the PIR sensor will be disabled after each camera triggering. During this time the PIR sensor will not react to any detected motion or scheduled timer functions. The PIR Interval can be set between zero seconds to a maximum of 1 hour. Press LEFT or RIGHT to decrease or increase the desired PIR Interval time. <b>Default: 5 seconds</b>
<b>Format SD</b>	All information on the SD card will be deleted. Make sure that you have made a backup of important data already on the SD card.
<b>Default Set</b> (Default Settings)	Restore all settings back to the default values.

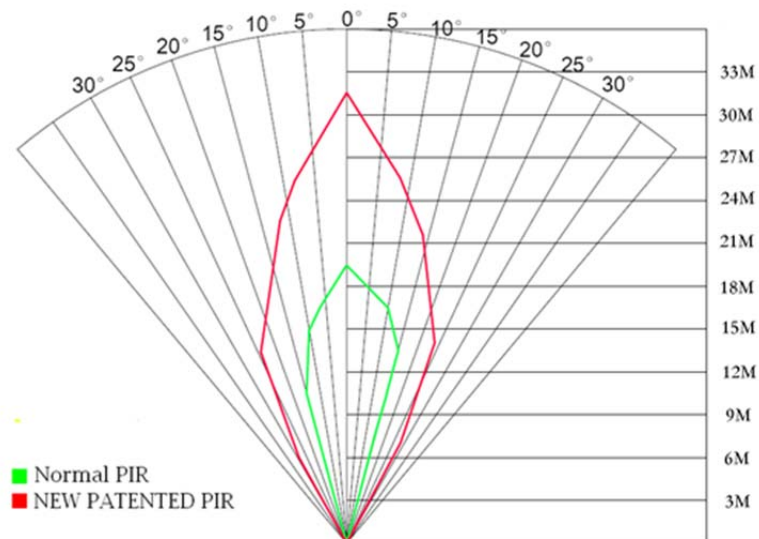
## 4. Detection Ranges – PIR Detection Zones



A passive infrared sensor (PIR sensor) is an electronic sensor that measures infrared (IR) light radiating from objects in its field of view. PIR Angle refers to the degree that the sensor can sense movement. Cameras that have a large PIR Angle can detect movement over larger areas and have a better chance of capturing the subject in the center of the frame as opposed to the edges like some lower quality cameras do. The longer the distance that the camera can sense, the more area that is detectable and the more opportunities the camera will have to capture that perfect picture.

In Boly cameras, the PIR Angle is slightly smaller than the camera's field of view angle. This feature is inherent in our camera designs without reducing the overall possible detection area, due to our patented technology that enhances sensor angles and lengthens trigger distance. By making the PIR Angle slightly less than the camera's field of view, we have reduced empty pictures rates and helped assure that the entire subject is captured within the photos and videos.

With our patented sensor technology, we have increased the camera's effectiveness over standard PIR cameras to assure that all detectable motion is captured. Combined with our patented BolyRaw image processing technology, we are confident that the images captured are of the highest quality that you can display and enjoy for years to come.



## 5. Technical Specifications

	SG570-12mHD	SG570-BW
Picture Resolution	5 or 12MP	5 or 10MP
Video Length	5 to 60 sec	
Detection Range	73ft.	73ft.
Illumination Distance	73ft.	73ft.
Image Sensor	5MP Color CMOS	5MP Color CMOS
Aperture	$f/ 2.2$	$f/ 3.1$
Field of View	55 degrees	52 degrees
Near Focus Range	N/A	1m
Trigger Time	< 1.2 sec	< 1.2 sec
Memory Card	32GB max	
Display Screen	1.44" LCD on remote	
Photo Burst	1 to 3 photos*	
Sound Recording	N/A	N/A
Operating Ambient Temperature	-20 degrees to + 60 degrees C	
Non-Operating Temperature	-30 degrees to + 70 degrees C	
Relative Humidity	5% to 90% noncondensing	
Dimensions	145x82x36mm	
Unit Weight	~ 0.25kg	~ 0.25kg
Power Supply	4 AA batteries	
Standby Power Consumption	<250uA	<250uA
Compliances	FCC, CE, RoHS	

\* When Camera Mode is set to Pic+Video, Photo Burst option automatically disables, resulting in only one picture captured along with the video. When Camera Mode is set to Photo, Photo burst option will operate normally as specified.

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