Xenon Flash Digital Scouting Camera
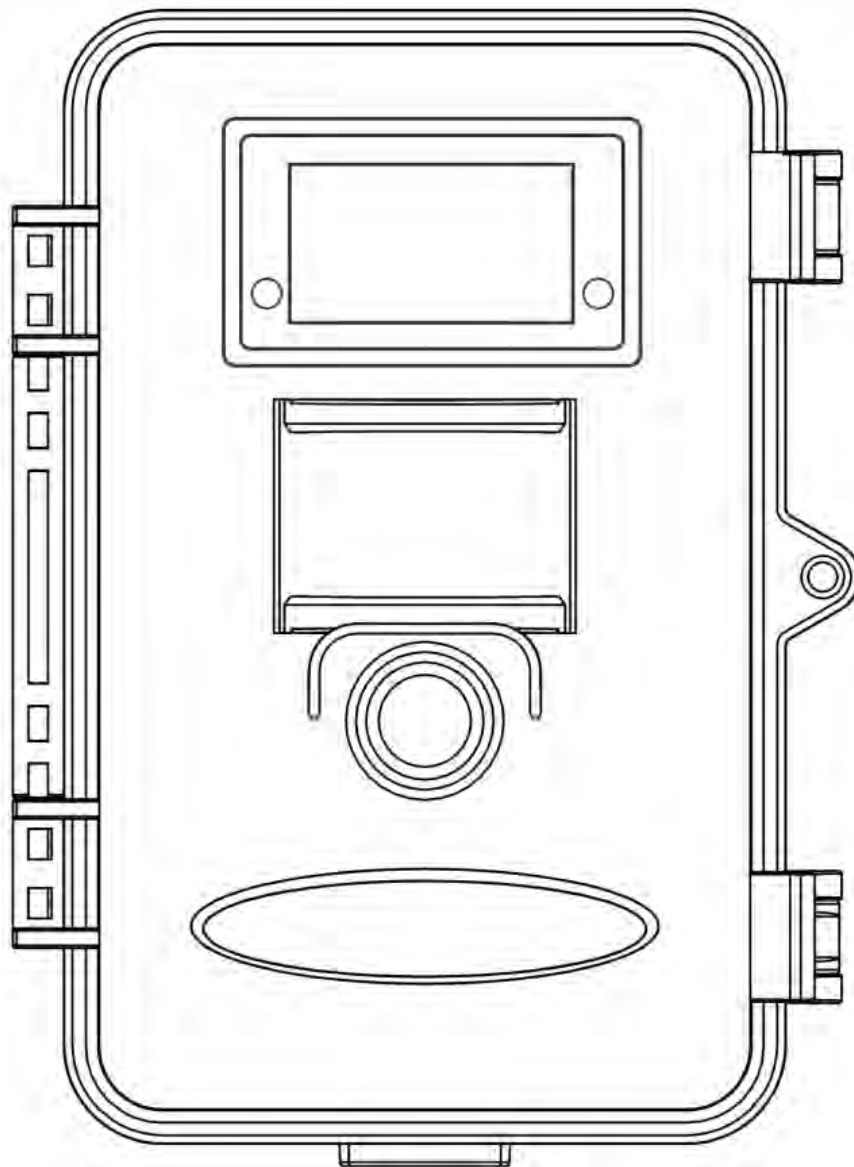## *User's Manual*
SG565F-12mHD
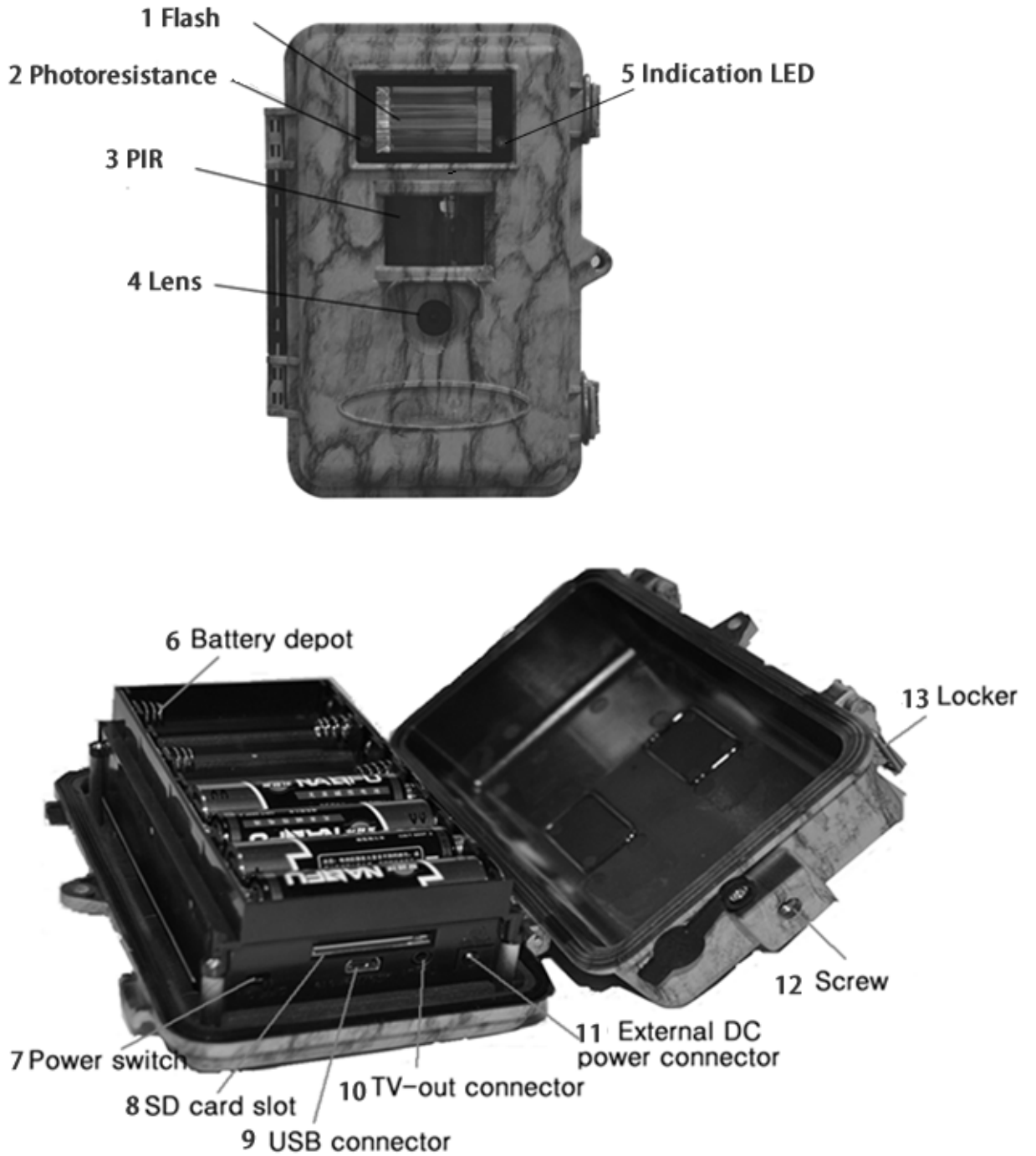
Content

1 Instruction

1.1 Camera Body Interfaces

1.2 General Description

This camera is a digital scouting camera with Incandescent Flash. It can be triggered by any movement of human (or animal) in a certain region of interested (ROI) monitored by a highly sensitive Passive Infra-Red (PIR) motion sensor, and then automatically take high quality pictures (up to 12 mega pixels) or video clips.

This camera uses integrated xenon flash instead of IR LED lamination. It can take color images day and night. It also can take video clips during the daytime. The camera consumes very little power (μA level) at surveillance mode.

It is designed for outdoor use and is resistant against water and snow. Furthermore, the camera can be used as a portable digital camera. Pictures or videos can be taken manually by pressing "SHOT" key on the remote.

1.3 Application

This camera can be used as an automatic surveillance device for guarding and recording unexpected intrusions to homes, shops, schools, depots, offices, taxis, worksites etc. It can also be used as trail camera for hunting or monitoring animals by recording the traces of wild animals. It can be left alone for weeks and months and it will save event records automatically in digital format.

1.4 Shooting Information Display

There is a wired control primarily used for customer settings. When the camera is turned on (with wired control connected to the USB connector), the current settings will be displayed on the screen.
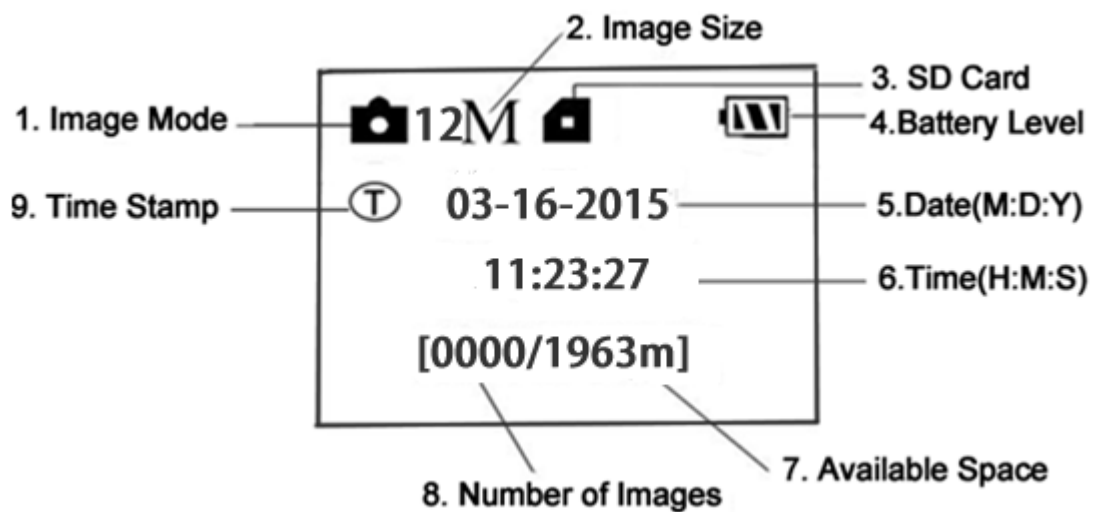
1.5 Saving Images or Videos

The camera uses a standard SD(Secure Digital) memory card to save images(in .jpg format) and videos(in .avi format). SD and SDHC(High Capacity) cards up to 32GB are supported. Before inserting the SD card be sure that the SD card is unlocked.
Note: without SD card inserted, the camera will turn off automatically.

1.6 Cautions

★The working voltage of the camera is 6V.The camera is supplied by 8 AA batteries or DC power adapter with output of 6V. Please install batteries according to shown polarity.

★Please insert the SD card when the power switch is in OFF position before testing the camera. The camera has no internal memory for saving images or videos.

★Please do not insert or take out the SD card when the power switch is in the ON position.

★It is recommended to format the SD card by the camera when used for the first time.

★The camera will be in USB mode when connected to a USB port of a computer. In this case, the SD card function is as a removable disk.

★In SETUP mode, the camera will shut down automatically after 3 minutes if no operation is done. Please turn on the power again if you want to continue to work with the camera.

2 Quick Start Guide

2.1 Power Supply

Use 8 AA batteries or 6V external power supply to support the camera.

Use high-capacity and high-performance alkaline betteries(recommended), rechargeable Lithium batteries or rechargeable Nimh batteries.

Caution: Risk of explosion if battery is replaced by an incorrect type. Also dispose of used batteries according to the instructions.

Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

2.2 Insert the SD Card

Insert SD card into the card slot. Please note that the SD card is on the "write" (not locked) position otherwise the camera will not function correctly. If

no SD card is inserted, the camera will shut down automatically.

2.3 Power on and Enter into ON Mode

Before switching on, please pay attention to the follows:

1. Avoid temperature and motion disturbances in front of the camera such as big leaf, curtain, air-conditioner, air outlet of the chimney and other heat sources to prevent from false triggering.
2. The height from ground for placing the camera should vary with the object size appropriately. In general, one to two meters are preferred.

In SETUP mode, it requires to connect the remote control then to do further customizing settings, when the user complete the settings, it requires to unplug the control to enter into normal use, that is, if the remote control still be connected with the camera, the camera will not work. The camera (the control must be unplugged when in ON mode) will take pictures or videos automatically according to the default settings or preset customer settings.

After switching on the camera, the motion indication LED (red) will blink for about 10s. The 10s is a buffering time before autonomic capturing photos or videos, e.g. for closing and locking the camera, mounting the camera and walking away.

2.4 Customer Settings

Press **MENU** on the remote control to manually customize the camera settings which displayed on the screen. The detailed operations will be described in "Advanced Operations" chapter.

2.5 Manual Capturing

Press **SHOT** on the remote control to manually capture photos or record videos, again to stop the manual capturing of a video clip in SETUP mode at daytime.

2.6 View Images or Videos

Press **OK** on the remote control to view images, the latest image will be shown on the LCD screen. Press "▲" or "▼" to view the previous or next image. Please note that video cannot be played on the LCD screen and only thumbnail of the video is showed.

2.7 Delete Images or Videos

Press **MENU** to delete images or videos when viewing in playback mode. So if it's in Preview state, you should press **OK** to enter into Playback state first.

3 Item Settings

3.1 Camera Menu

To view the camera settings menu, press **MENU** on the remote control in **SETUP** mode. Use "▲" or "▼" key to select the sub-menu, use "►" key to select the different options. Press **OK** to save the settings or **MENU** to exit.

After changing EACH setting in SETUP menu you must press "OK" to save it, otherwise the camera will stay at the default setting.

Setting Items	Description
Camera Mode	Choose capturing images or recording videos. There are two ways to set camera mode. 　　Shortcut key: Press "▲" to set the camera mode as Video or press "▼" to set camera mode as Photo in info display of SETUP mode. 　　Setting menu: press RIGHT to select Photo or Video mode, then press OK to save your setting. 　　By using white flash, the camera can take color images day and night, but video can just work under sufficient daylight. If you set video mode, it will turn to camera mode automatically at night.

Set Clock	Set camera date and time.You can change the date and time of the device by setting this parameter when necessary, e.g., after every battery change. The date format is month/day/year, the time format is hour: minute: second. The valid value for year is between 2009 and 2050.
Photo Size	Choose the photo size, e.g. 12MP, 8MP or 5MP.
Video Size	Choose the video size: 1280x720 or 640x480.
Video Length	Choose duration of recording video. This parameter is effective and can be adjusted only when the device in the video mode under ON mode. Its value extends from 5 to 60 seconds with a step of one second. The default value is 10 seconds. Press "▶" to increase the value by 1 second.
PIR Sensitivity	Choose sensitivity of the PIR sensor. This parameter defines the sensitivity of the PIR. There are three sensitivity parameters: High, Normal, Low. The default value is "Normal". The higher degree indicates that the Camera is more easily to be triggered by motion, taking more pictures or recording more videos. It is recommended to use high sensitivity degree in room or environment with little interference, and to use lower sensitivity for outdoor or environment with lots of

	interference like hot wind, smoke, near window etc. Furthermore, the sensitivity of the PIR is strongly related to the temperature. Higher temperature leads to lower sensitivity. Therefore it is suggested to set a higher sensitivity for high temperature environment.
PIR Interval	This parameter indicates how long the PIR (Passive Infrared motion sensor) will be disabled after each triggering in ON mode. During this time the PIR of the device will not react to the motion of human (or animals). The minimum interval is 0 second, it means the PIR works all the time. The maximum interval is 1 hour. It means the PIR will be disabled for 1 hour after each triggering.
Camera Posit	It means camera position. You can set A-Z position for your camera, so that you can distinguish which photo is taken by which camera.
Illumin ation	Adjust the brightness of the flash.
Format SD	All images and videos in the SD card will be deleted, so make sure that you have made a backup of important data.
Default Set	Restore all customer settings to default values.

3.2 Default Setting

Setting Items	Default	Options	Submenu
Camera Mode	Photo	Video	
Set Clock	Enter		Adjust Clock
Photo Size	12MP	5MP 8MP	
Video Size	1280x720	640x480	
Video Length	10 sec	5–60 sec	
PIR Sensitivity	Normal	High, Low ,Off	
PIR Interval	5 Sec	0–55 Sec, 1–60 Min	
Camera Posit	Off	A-Z Position	
Illumination	Long Range	Short Range	
Format SD	Enter		Yes, No
Default Set	Save		

3.3 Power Off

Slide the power switch to OFF position to power off the camera. Please note that even in the OFF mode, the camera still consumes a small amount of battery power. Therefore, please remove the batteries if the

camera is not in use for a length of time.

4 Mounting the Camera

When use the camera in outdoor environment, such as hunting or monitoring the living habits of wild animals, you need to mount the device on a certain place properly. It is recommended to mount the camera on a tree, to get the optimal picture quality, the recommended distance is 16ft from the tree to the target monitoring area and recommended height from the ground is 4.9ft~6.5ft. Adjust the viewing angel properly (view angle of this camera is 60°).

There are two ways to mount the camera: using a band shaped belt or bottom screw.

Using the belt: take the belt toes to go through the two back holes of the camera，then tie the two toes to the tree to finish fixing.
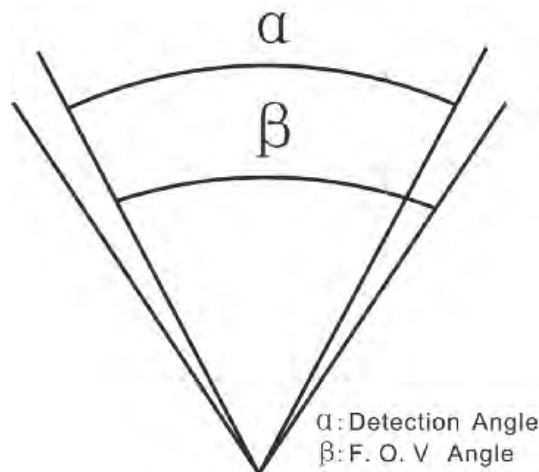
5 PIR Detection Zone

This camera has a new design of PIR and the new PIR is patented. The new patented PIR's detection range can reach to 85ft in good environments. Following picture shows the compared detection zone between normal PIR and the new patented PIR.
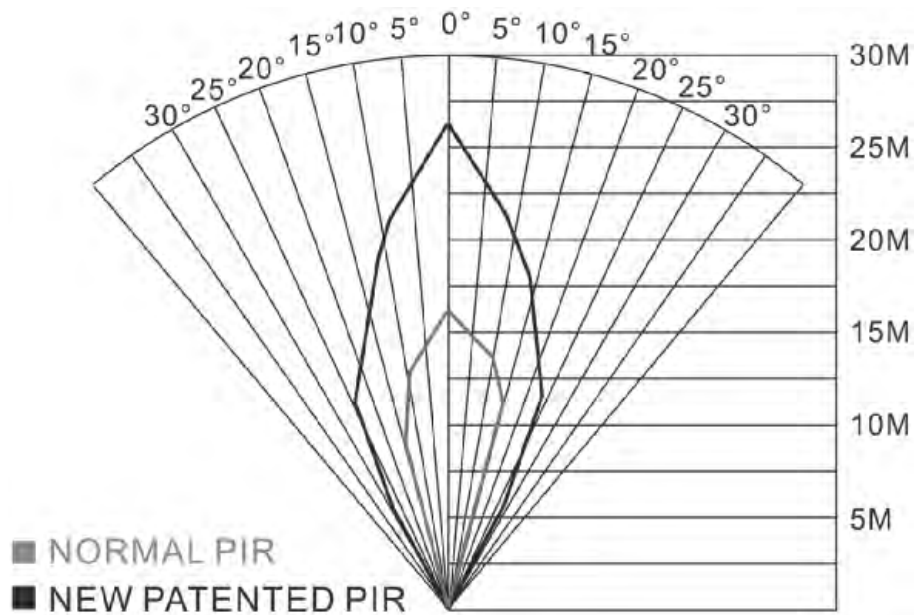
The PIR detection angle (α) is just smaller than the field of view (FOV) angle (β). The advantage of this design is to reduce empty picture rate and capture most, if not all, motions.

6 Technical Specifications

Image Sensor	5MP Color CMOS, 8MP and 12MP Interpolation
Lens	F/NO=2.2 FOV(Field of View)=60°
PIR detection range	85ft
Display Screen	LCD display on control
Memory Card	From 8 MB to 32 GB
Picture Resolution	12MP=4032×3024 8MP = 3264 ×2448 5MP = 2560×1920
Video Resolution	1280x720 640×480
PIR Sensitivity	Adjustable (High/Normal/Low)
Trigger Time	1.2s
Weight	0.26 kg(without battery)
Operation/Storage Temp.	-20 - +60°C / -30 - +70°C
Video Length	5−60s
Power Supply	8×AA or 4×AA External DC 6V,2A
Low Battery Alert	LED Indication
Mounting	Rope/Belt/Python lock
Dimensions	130 x80 x50 mm
Operation Humidity	5% - 90%
Security Authentication	FCC, CE, RoHS

7 Parts List

Part Name	Quantity
Digital Camera	One
USB Cable	One
Wired control	One
Belt	One
User Manual	One
Warranty Card	One

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