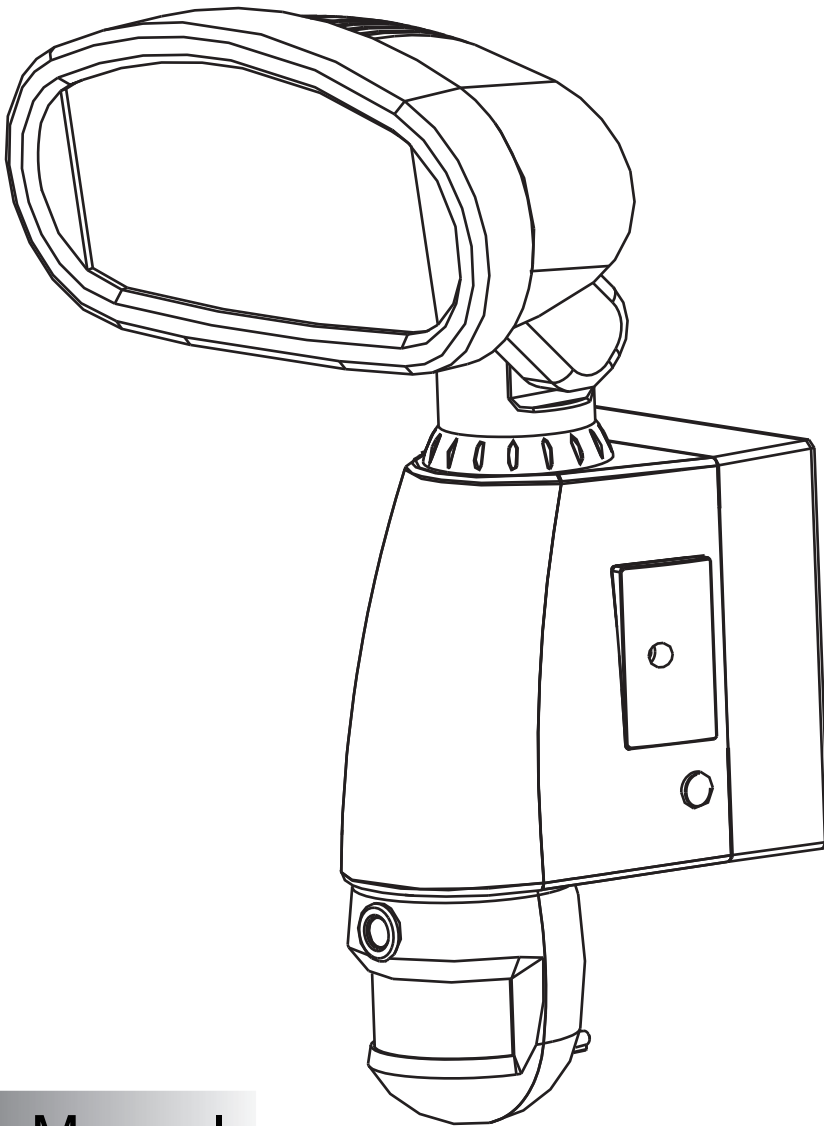


# *Patriot Lighting*



User Manual

356-9032

Discovery Motion Security Light

**WARNING: BE SURE TO SHUT OFF POWER AT THE MAIN FUSE OR CIRCUIT BREAKER BOX BEFORE INSTALLING OR SERVICING THIS FIXTURE.**

- NOTE: 1. Before installing, consult local electrical codes for wiring and grounding requirements.  
2. Customer Service: 1-800-887-6326 (weekdays 8 a.m. – 5 p.m. CST)  
3. Read and save user manual.

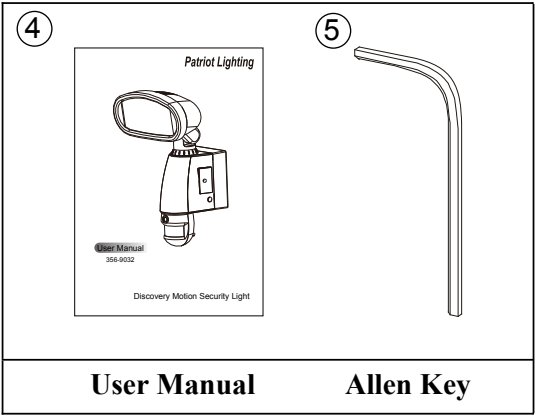
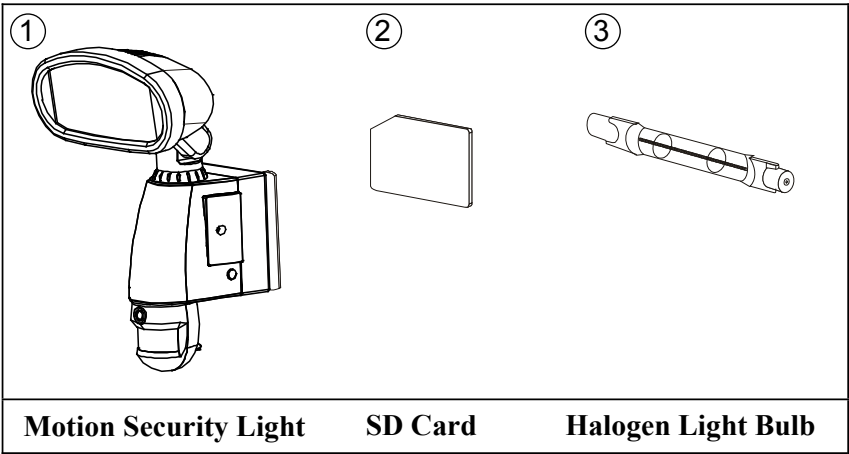
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## 1. Contents

- Motion Security Light
- SD Card
- 1pc 300W Halogen Light Bulb
- User Manual
- 1pc Allen key
- Accessory bag: 2pcs drywall screws, cross bar, 3pcs wire nuts, 2pcs mounting screws.

Note: User manual and allen key are shipped in one bag. Please keep these accessories.



<p>6</p>	<p>7</p> <p><b>Screw D</b></p>	<p>8</p>	<p>9</p>
<p><b>Drywall Screws (Screw E)</b></p>	<p><b>Cross Bar With Screw D</b></p>	<p><b>Wire Nuts</b></p>	<p><b>Mounting Screws (Screw C)</b></p>

## 2. Overview Diagram

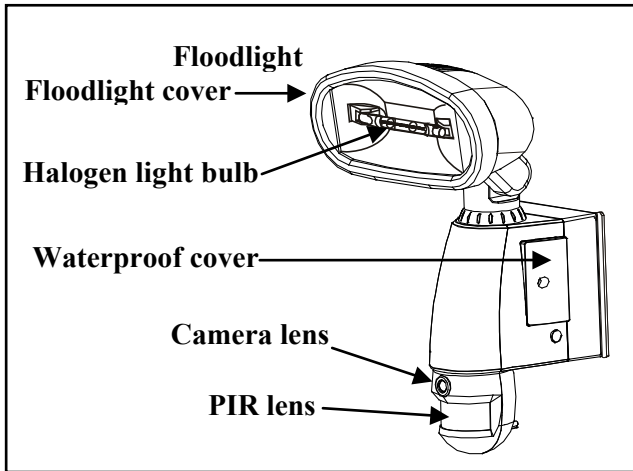


Figure 1

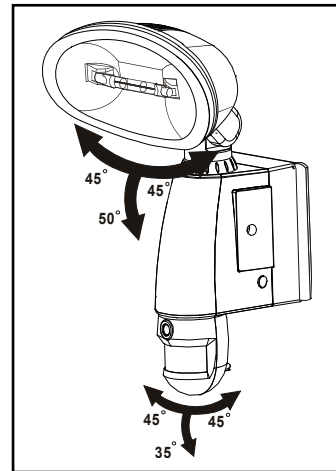


Figure 2

## 3. Assembly

### A. Install the halogen light bulb (see Figure 3)

- Make sure to unplug unit or turn off power first.
- Remove floodlight cover by unscrewing floodlight screws using a Phillips head screw driver.
- Put in new 300 Watt maximum halogen light bulb (part no.③).
- Replace floodlight cover, tightening screws carefully.

### Caution:

- **Never touch the bulbs with your bare hands. Use a soft cloth. Oil from skin may damage bulb and reduce its life.**
- **Always turn off the power and allow fixture or lamps to cool down completely before attempting any cleaning or maintenance.**
- **Always use a clean cloth when handling the bulbs.**

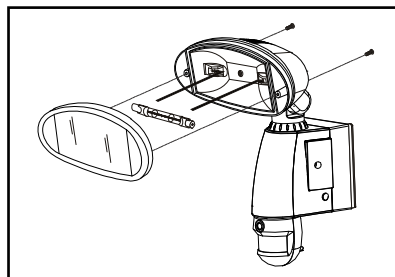


Figure 3

## B. Insert/Remove SD Card (see Figure 4):

- Unscrew the waterproof cover using provided Allen key (part no.⑤). Then insert the SD card (part no.②) until it automatically locks into place.
  - To remove the SD card (part no.②), please press OFF/REC button and take it out within 30 seconds.
  - Remove SD card (part no.②) by pushing in on the SD card (part no.②), which will then eject. Pull out the card.
- Caution: When LED light turns green, meaning SD card (part no.②) is being read, do not remove SD card (part no.②) or data may be lost.

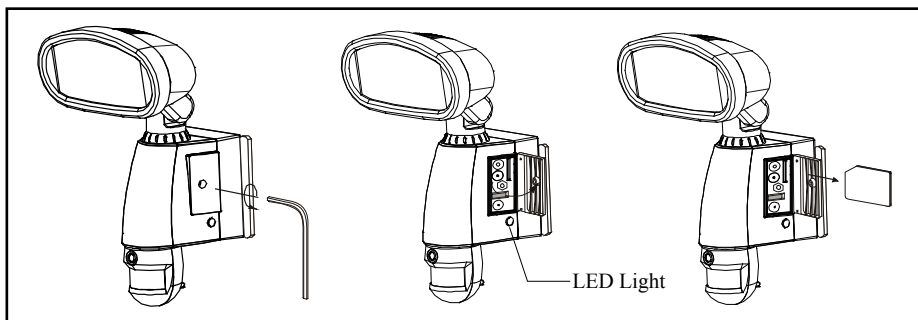


Figure 4

## 4. Installation

### IMPORTANT

IF IN ANY DOUBT ABOUT THE INSTALLATION OF THIS PRODUCT, CONSULT A QUALIFIED ELECTRICIAN

- This product must be grounded
- Do not mount the unit against inflammable surfaces
- Before attempting any installation or maintenance, ensure that the electrical supply is switched off and the circuit fuses removed or the circuit breaker is in the off position
- Please be sure to use the correct voltage and polarity before connection. Incorrect voltage may cause electric shock. If you are not sure, please contact your retailer
- The motion detector will not operate correctly if it is installed:
  - Near the outlet of a central heating boiler
  - Near air conditioning unit
  - Pointing directly at moving vehicles
  - Within sight of reflections from moving water
  - Where other lamps could shine on the detector

## 1. Positioning:

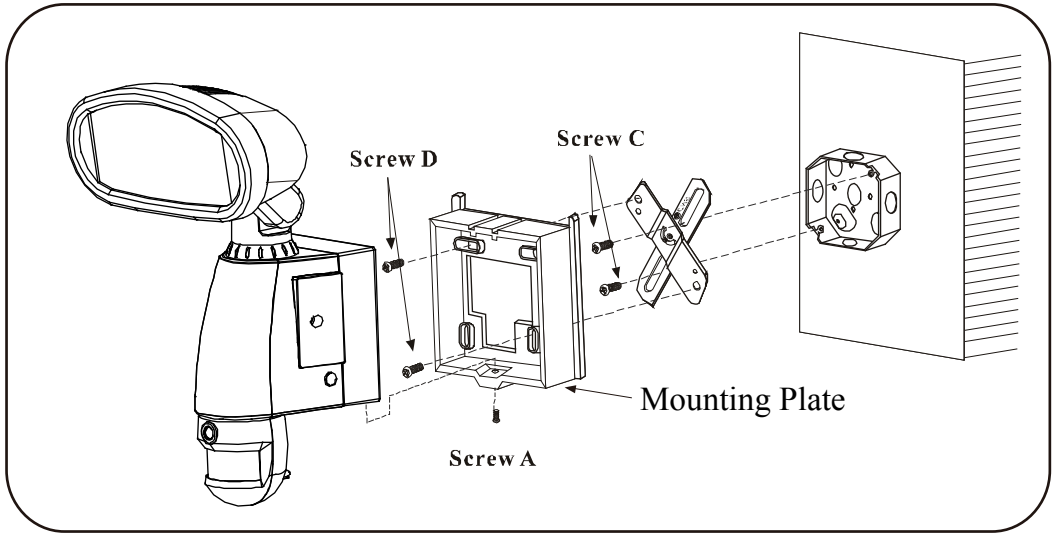
**For best performance, mount the Motion Security Light 6 – 7 feet above the ground. Do not mount the fixture below 4 feet.**

Detection distance: 6 - 32 feet

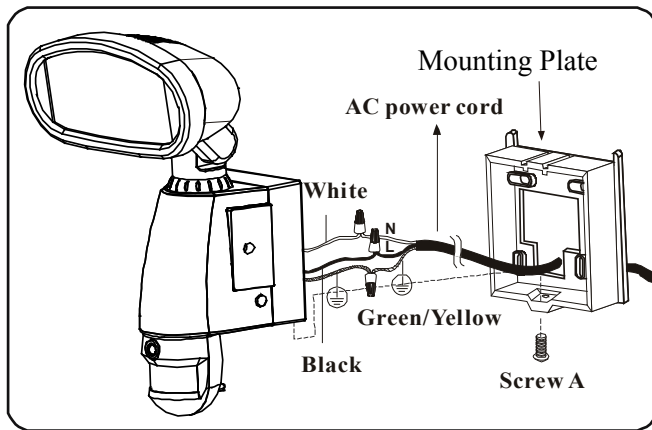
Horizontal detection angle: 180°

## 2. Installation to a junction box using cross bar mount (see Figure 5 & Figure 6)

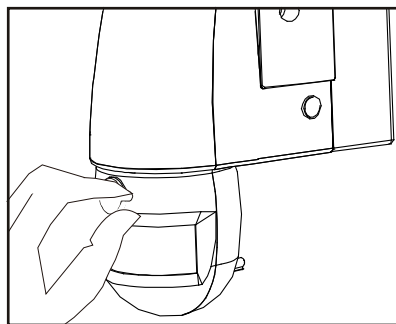
1. Attach the cross bar (part no. ⑦) to junction box and fix by screw C.
  2. Feed the wires through the mounting plate.
  3. Fix the mounting plate to cross bar (part no. ⑦) by screw D.
  4. Connect the black wire (live wire) from the AC power cord to the single black wire coming from Motion Security Light using one of the supplied wire nuts (part no. ⑧).
  5. Connect the white wire from the AC power cord to the white wire coming from Motion Security Light using one of the supplied wire nuts (part no. ⑧).
  6. Connect the green/yellow wire from the AC power cord to the green/yellow wire coming from Motion Security Light using one of the supplied wire nuts (part no. ⑧).
  7. Attach the unit to the mounting plate.
    - a) Angle the unit back so that the catch at the top of the mounting plate fits into slot on the back of the unit.
    - b) Lower the unit until holes at the bottom of the mounting plate and unit are flush.
    - c) Screw (screw A) into this hole, tightening carefully.
- CAUTION: With silicone caulking compound, caulk completely around where the unit meets with the wall surface to prevent water from seeping into the outlet box.**
8. Please allow 1 minute warm-up time after switching on.
  9. Remove plastic lens cover from camera after installation. (see Figure 7)



**Figure 5**



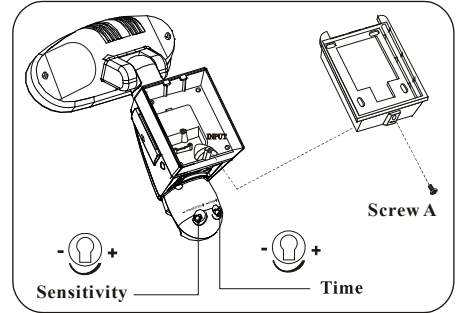
**Figure 6**



**Figure 7**

# 5. Programming Your Motion Sensor Light

- Illumination Time control:**  
 Adjust the length of time the light stays on after motion has been detected. The range is from 30 seconds to 7 minutes.



**Figure 8**

- Sensitivity control:**  
 Adjust the detecting range of Passive Infrared Motion Sensor. The range is from 6 - 32 feet.

- Working mode:**

**Mode 1: Suggested setting when out of town** (Light icon) (Camera icon) (Speaker icon)

Light + camera + speaker: all day detection

	Light	Camera	Speaker
Day	On	On	On
Night	On	On	On

**Mode 2: Suggested for day to day use** (Light icon) (Camera icon) (Speaker icon)

Light at night + camera all day + speaker in the daytime

	Light	Camera	Speaker
Day	Off	On	On
Night	On	On	Off

**Mode 3: Suggested setting for a place of business** (Light icon) (Camera icon) (Speaker icon)

- Light at night + camera all day + speaker at night

	Light	Camera	Speaker
Day	Off	On	Off
Night	On	On	On



- **Audio mode:** Select the audio message to be played when motion sensor detects movement.
  - Default: " You are trespassing "
  - Push one time: " Warning! You are being videotaped by a security camera "
  - Push again: sound of dog barking
  - Push one more time: silent mode
 Note: The audio message can be cycled among these four modes continuously.
  
- **Status indicator:** The color of the LED lights indicate status of the unit.
  - 1) Red: SD card (part no.②) is remove from the SD slot or the system is malfunctioning.
  - 2) Green: The unit is recording.
  - 3) LED off: Standby mode (SD card is inserted into the slot).
  
- **Reset button:** Restores functions to default settings
  - 1) Press RESET button once each time you turn on unit.
  - 2) Please press this button in case of system malfunction.
  
- **OFF/REC:** Please press OFF/REC button to remove SD card (part no.②). Please remove card within 30 seconds of pressing the OFF/REC button to avoid losing the data.

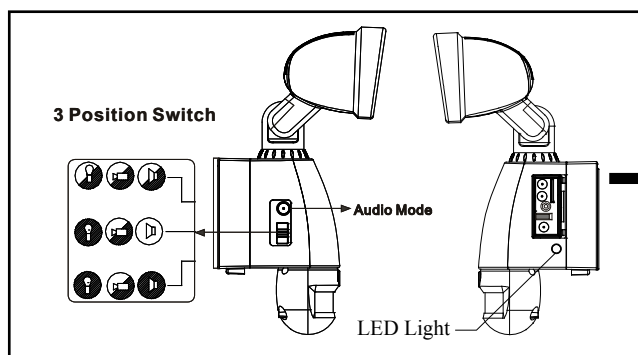


Figure 9

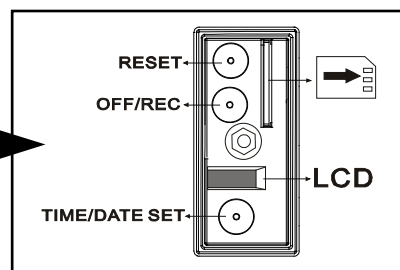




Figure 10

## 6. Setting the Date and Time

This will allow the security video taken by Motion Security Light to display the correct date and time it was taken.

1. Push TIME/DATE SET button (see Figure 13) for 3 seconds. The LCD screen will then flash 3 times, indicating you have entered Time/Date setting mode.
2. **“YEAR”setting** : "Y" and "08" are displayed on the screen; push the button to set year from "08-99". Push the button again and hold for 3 seconds to scroll through numbers quickly. If you do not press the button after 3 seconds, it will automatically save the year and go on to allow you to set the month.
3. Repeat the same setting procedure for **MONTH/DATE/HOUR/MINUTE**.
4. **“VIDEO/PHOTO ”setting** : when entering this mode, these two icons   and "V" "P" appear on the screen ; push the button to choose "V" ( Video ) or "P" ( Photo ) . If you do not push the buttons after 3 second, "OK" will appear on the screen, indicating it has automatically saved the current settings. The LCD screen will shut off automatically 10 seconds later.

Note: On the "P" (photo) setting, the motion security light will take a series of digital photographs at a rate of 3 photos every second when the motion sensor is detected.

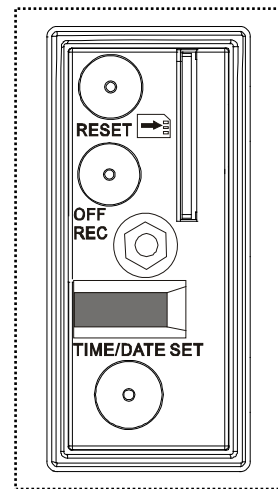


Figure 11

①		Start	②		YEAR Setting
③		MONTH Setting	④		DATE Setting
⑤		HOUR Setting	⑥		MINUTE Setting
⑦		VIDEO/PHOTO Setting	⑧		Finish

## 7. Viewing Videos and Photos

### 1. Viewing image by computer through a card reader (see Figure 12)

- Open the waterproof cover on the Motion Security Light.
- Press OFF/REC button and remove SD card (part no.②) from the slot.
- Put the SD card (part no.②) into a card reader, connect card reader to computer, and view any videos or photos.

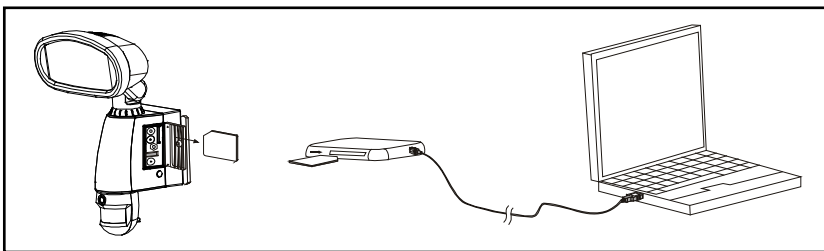


Figure 12

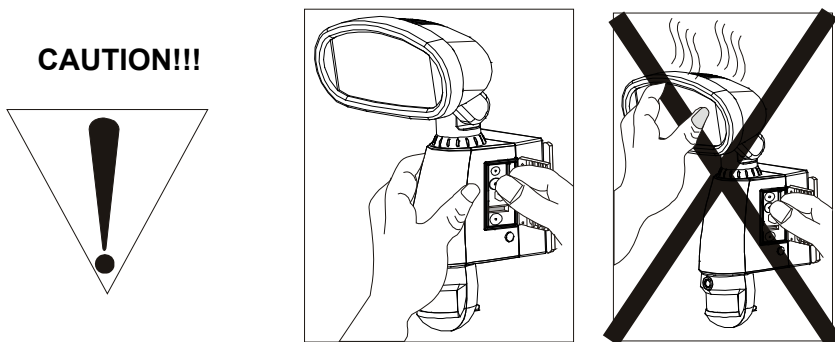
# Technical Specifications

## 1. Features and specification :

- PIR detection angle 180° and detection range up to 32 feet
- Records 20 seconds image recording for image stream:  
10fps at 480\*640 Pixels
- Built in SD card slot for SD memory card
- SD card slot for additional storage, max memory size up to 2G
- SD card type: FAT
- Automatic exposure control, white balance and sharpness
- Auto Date & Time stamp
- Camera effective viewing angle: 60°
- Camera effective viewing distance: 26 feet
- Image format: JPEG, AVI
- Powered by AC 120V 60HZ
- 300-watt T type halogen bulb
- Passive infrared motion sensor
- Motion detector sensitivity control
- Illumination time control

# Maintenance and Safety Information

- The Motion Security Light is designed to be weather resistant. Never attempt to immerse the unit in water or any other liquid. This will damage the unit and void the warranty.
- This product is designed to illuminate, video, and make verbal announcements. It will not prevent the commission of any act, legal or illegal. The manufacturer assumes no liability for any damage to property, injury to person, or death.
- Use a soft lens cloth for cleaning lens. Avoid touching lens with fingers.
- Remove dirt or stains with a soft cloth dampened with water or neutral detergent. Keep the Motion Security Light in a dry and cool dust-free environment or container when it is NOT used.
- Do not open the Motion Security Light for unauthorized service. This could cause serious damage to the unit and will void the warranty.
- This Motion Security Light is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers may expose you to the danger of electric shock or other risks.
- To avoid risk of burns due to high temperature do not touch the floodlight when it is turned on.



## **FCC Information**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modification to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limited for Class B digital device, pursuant to Part 15 of the FCC Rules. Their limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

# FAQ (Frequently Asked Questions) Section

## **Q. How many pictures does the SD card hold?**

A: The capacity of the SD card provided is 1GB. The number of video files that amount to 1GB varies, as the size in bytes of each 20-second video clip will vary depending on the amount of brightness, color, and movement in each video clip. The clips typically vary from 2MB to 8MB.

SD Card	File Size	Q'ty of File(approx.)
1G	2Mb	500
1G	8Mb	125
2G	2Mb	1000
2G	8Mb	250

Note: A 1GB SD card comes included in the Motion Security Light packaging, but you may substitute that SD card for any SD card at your discretion.

## **Q. What happens when the card is full?**

A: Motion Security Light will automatically return to the oldest file and save over it each time a new video clip is stored. That means you don't have to take out the SD card unless you wish to review or save the video files.

## **Q. Can I transfer pictures from the camera via cable?**

A: No, that is not possible. We recommend you download the pictures using your computer. If your computer has an SD card slot, you may insert the SD card directly into the computer and accessing the files from the computer. See Section 7 "Viewing videos and photos". If you don't have an SD card slot, you may purchase an SD card reader from any retailer that sells electronics.

## **Q. Can I view a live image of what the camera sees?**

A: No, that is not possible.

## **Q. What happens when the power is cut off?**

A: The audio message will return to the default setting, and the date and time will stop running. You need to reset them when the power be restored.

## **FAQ (Frequently Asked Questions) Section (con'd)**

### **Q. Why does the light stay on continuously after 7 minutes?**

- A: 1. Make sure there is no motion existing within the detection area.  
2. Turn the Time control knob to "-" side to reduce the illumination time. Please note Section 5 (Programming Your Motion Sensor Light).

### **Q. Why does the light blink and the speaker play continuously?**

- A: 1. Make sure the light is not mounted near a barbecue, air conditioner or other heat source.  
2. Turn the sensitivity knob to "-" side to "noise" that the motion sensor may pick up, such as passing cars or reflecting objects.



