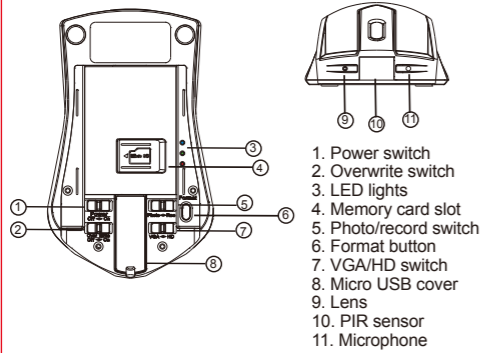


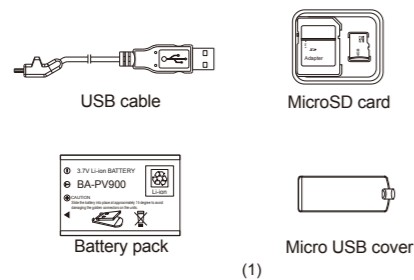
1. Name and Parts



1. Power switch
2. Overwrite switch
3. LED lights
4. Memory card slot
5. Photo/record switch
6. Format button
7. VGA/HD switch
8. Micro USB cover
9. Lens
10. PIR sensor
11. Microphone

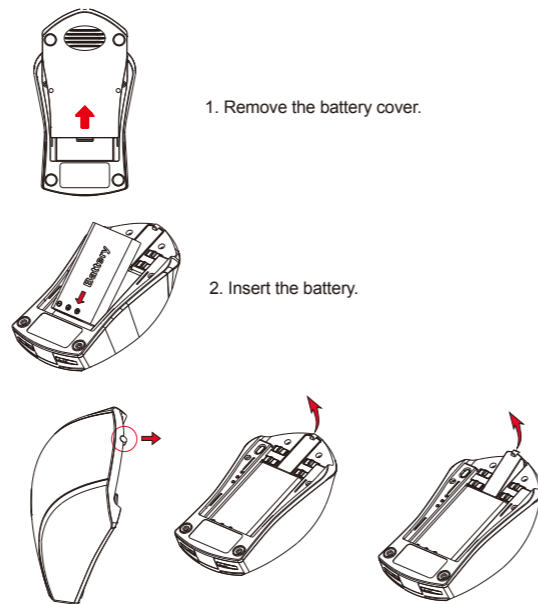
* No microphones are available for USA territory.

2. Package Content



(1)

4. Charging the battery



1. Remove the battery cover.

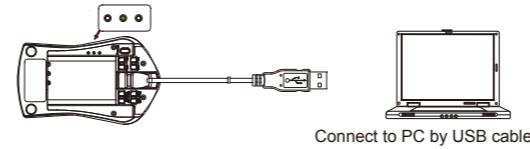
2. Insert the battery.

3. Place your thumb on the round point and press backward to open micro USB cover.

(2)



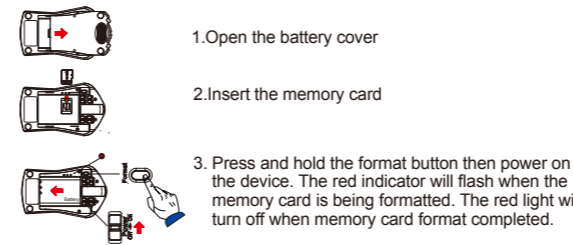
4. As shown on illustration to plug the USB cable into device properly.



Connect to PC by USB cable

5. Connect the other end of the USB cable to a computer or an USB charger. The green indicator will turn on when charging.

6. Format memory card



1. Open the battery cover

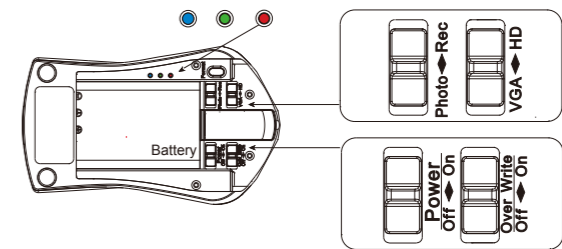
2. Insert the memory card

3. Press and hold the format button then power on the device. The red indicator will flash when the memory card is being formatted. The red light will turn off when memory card format completed.

(3)

7. Setting

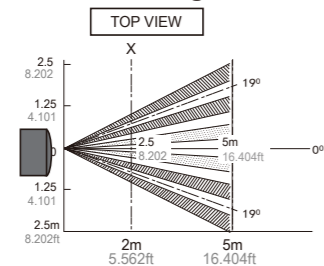
1. Select operation mode by sliding Photo/Rec switch to place.
 - 1.1 Video: Whenever the PIR sensor is triggered, the DVR automatically starts recording. Please note the length of video varies from 5 seconds to 2 minutes depending on the movement detection.
 - 1.2 Photo: The device takes 3 photos whenever the PIR sensor is triggered.
2. Resolution setting by sliding VGA/HD switch to place.
 - 2.1 Video resolution: VGA(640X480@30fps) HD(1280X720@30fps)
 - 2.2 Photo resolution: 2MP (1600X1200 .JPG)
3. LED indicator
 - 3.1 Blue(Power): Blue indicator lights on when the device is powered on.
 - 3.2 Red(Rec): Red indicator lights on when recording video or taking photo.
 - 3.3 Green(Charge): Green indicator lights on when charging and turn off when battery is fully charged.



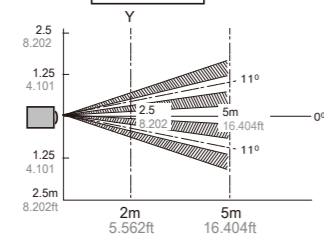
(4)

PIR Sensor Illustration

1. Detection Range



SIDE VIEW



2. Detection concerns

They may fail to detect successfully if a heat source other than a human being is detected or if there are no temperature changes in or movement of a heat source. Care must generally be taken in the following cases. The performance and reliability of the sensors must be checked out under conditions of actual use.

(5)

<1>Cases where a heat source other than a human being is detected

- (1) When a small animal enters the detection range.
- (2) When the sensor is directly exposed to sunlight, a vehicle's headlights, an incandescent light or some other source or far infrared rays.
- (3) When the temperature inside the detection range has changed suddenly due to the entry of cold or warm air from an air-conditioning or heating unit, water vapor from a humidifier, etc.

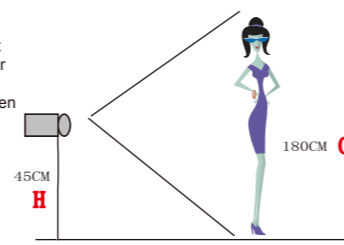
<2>Cases where it is difficult to detect the heat source.

- (1) When an object made of glass acrylic or other subject which far infrared rays have difficult passing through is located between the sensor and what is to be detected.
- (2) When the heat source inside the detection range hardly moves or when it moves at high speed.

3. Installation Suggestion

Definition:
 O - the height of object
 H - the height of sensor from the ground
 D - the distance between object and sensor

Formula:
 $H = O / 2$
 $D = O \times 2$

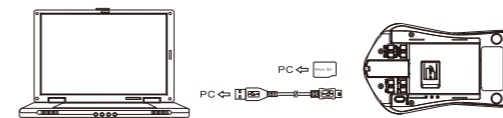


For example: To film a man at 180cm height in the video, the sensor should be placed at 45cm height above the ground and the man is 3.6m away from the sensor.

(6)

7. Retrieving video footage from DVR

1. Video file is stored in the memory card.
2. There are two methods to retrieve video files.
 - 2.1 Using USB cable to connect to computer.
 - 2.2 Using memory card reader to read and write folder directory.
3. Computer detects the storage and user may browse and operate the storage as typical folder directory.

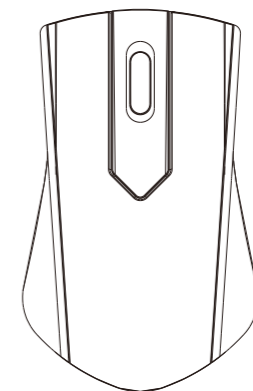


10. Date and time setting (for Windows computer)

1. Right-click on Windows desktop. Choose Notepad to create a *.txt (text) file. Then double-click the text file.
2. Suppose current time is October 16, 2014 15:00. Enter date and time information as 2014.10.16 15:00:00 Note that a space must be present in between date and hour and time is in 24-hour format.
3. Name the file as settime.txt and save it to the root directory of a memory card.
4. Insert the memory card to the slot then power on the device. The date and time setting is now completed.
5. Please note when the date and time information is successful set to the device the settime.txt file should not be visible when you connect the device to the computer again.

(7)

PV-MU10 Wireless Mouse Design DVR Quick Guide



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