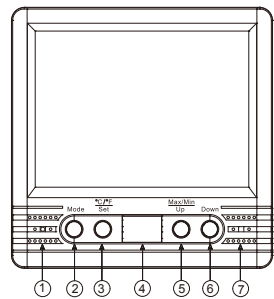


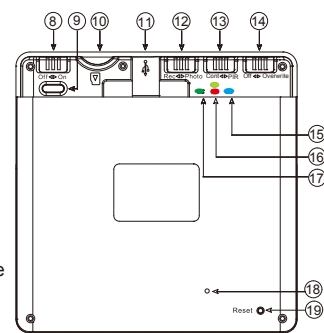
1. Name and Parts



1. Microphone*
2. Mode Button
3. °C/°F Switch & Set button
4. PIR Sensor
5. Max/Min switch & Up button
6. Down Button
7. Lens

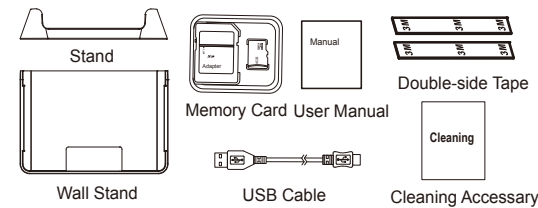
* No microphones are available for USA market.

8. Power Switch
9. Format Button
10. Memory Card Slot
11. USB Port
12. Rec/Photo Switch
13. Continuous / PIR Recording Switch
14. Overwrite Switch
15. Blue Power LED
16. Red Rec/Photo LED
17. Green Charge LED
18. Buzzer
19. Reset Key

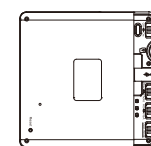


1

2. Package Content

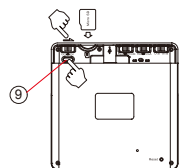


3. Charging the Battery



1. Connect the device to PC via USB cable.
2. When the battery is fully charged, the green indicator will turn off.

4. Format Memory Card



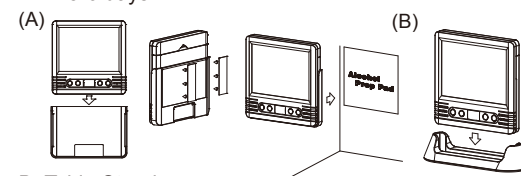
1. Insert the memory card.
2. Press and hold the (9), and power on the device. The red indicator will flash when the memory card is being formatted and it will turn off when the memory card format completed.

2

5. Installation

A. Wall Mount

1. Slide on the wall stand cover.
2. Clean the backside surface of the device before applying the double-side adhesive tape.
3. Clean the area of the wall you intend to install the device, peel the film from double-side adhesive tape on the device then paste the device onto the wall.
4. Under standby status the battery can last about 5-6 days.



B. Table Stand

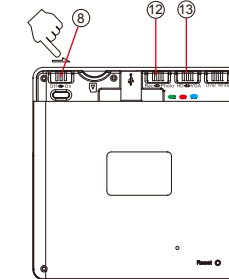
1. Slide the device downwards into the table stand until properly assembled.

6. LED Indicator

1. Blue(Power): Blue indicator lights on when the device is powered on.
2. Red(Rec): Red indicator lights on when recording video or taking photo.
3. Green(Charge): Green indicator lights on when charging and turns off when battery is fully charged.

3

7. DVR Operation and Setting



1. Select operation mode by sliding Photo/Rec switch to place.
2. Power on the DVR by switching (8) to On.
3. Switch (12) to choose video recording or photo taking
 - 3.1. Video: Whenever the PIR sensor is triggered, the DVR automatically starts recording after 5 seconds. Red LED illuminates to show the recording is started. Please note the length of video varies from 5 seconds to 2 minutes depending on the movement detection.
 - 3.2. Photo: The device takes 3 photos whenever the PIR sensor is triggered.
4. Resolution setting by sliding VGA/HD switch (13) to place.
5. Video resolution: VGA(640X480@30fps)
HD(1280X720@30fps)
6. Photo resolution: 2MP(1600X1200 .JPG)

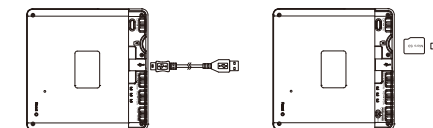
4

8. 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, 2012 15:00. Enter date and time information as 2012.10.16 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 the 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.

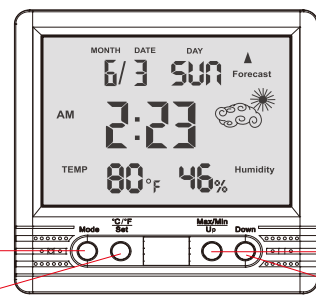
9. Download Videos and Photos from DVR

1. Video and photo files are stored in the memory card.
2. There are two ways to download video/photo files.
3. Using the memory card reader to download video/photo files.
4. With the device powered on and memory card inserted, connect the device to PC by USB connection. It will be recognized by PC as an external drive for user to download the video recordings and photo files.



5

10. Display Setting



a. Alarm

1. Press Mode button (1) to select the alarm display on LCD.
2. Long press Set button (2) to access the alarm setting.
3. Press Up/Down button (3/4) to set the hour and minute.
4. Press Mode button (1) to retreat from the time setting.
5. Back to display mode press Up button (3) to switch on the alarm setting.

b. Date

1. Press Mode button (1) to select the year display on LCD.
2. Long press Set button (2) to access the date setting.
3. Press Up/Down button (3/4) to set up year.
4. Press Set button (2) again into month and date selection.
5. Press Up/Down button (3/4) to set up month and date.
6. Press Mode button (1) to retreat from the date setting.

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c. TIME

1. Long press set button (2) to access the time setting
2. Select 24-hour or 12-hour clock by pressing Up and Down (3/4)
3. Press set to modify the time, using up and Up and Down (3/4) to change the time.
4. Press Mode button (1) to retreat from time setting

d. Temperature and humidity

1. Every 20 seconds the system detects automatically the temperature and humidity.
2. Temperature detecting from -49°C~-69°C(-56°F~156°F).
3. In normal mode press °C/°F button (2) to switch to Centigrade or Fahrenheit.
4. The humidity detecting from 20%~89%.
5. If the system can not detect the temperature and humidity LCD will display " _ °C " and " _ % ".

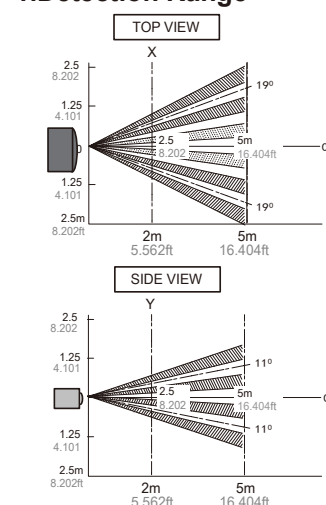
e. MAX/MIN

1. The system memorizes the recent maximum and minimum temperature and humidity.
2. In normal mode press once MAX/MIN button (3) to display the maximum temperature and humidity.
3. In normal mode press twice MAX/MIN button (3) to display the minimum temperature and humidity.
4. In normal mode press three times MAX/MIN button (3) to display the current temperature and humidity.
5. In normal mode long press MAX/MIN button (3) for two seconds to eliminate the MAX/MIN data and the system will rememorize the newest temperature and humidity.

7

PIR Sensor Illustration

1. Detection Range



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.

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- <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

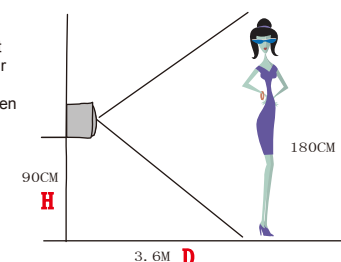
Definition:

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

Formula:

$$H = O / 2$$

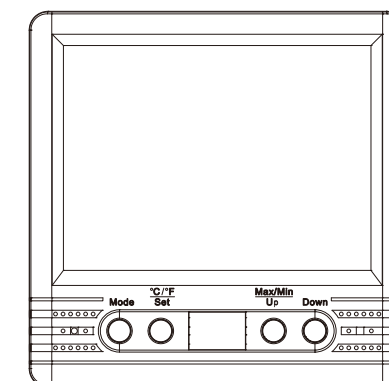
$$D = O \times 2$$



For example: To film a man at 180cm height in the video, the sensor should be placed at 90cm height above the ground and the man is 3.6m away from the sensor.

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PV-TM10 Thermometer & Clock 720P Covert DVR Quick Guide



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