User Manual
2 Channels Home DVR

印刷：单黑
材质：封面封底157G双铜,内页80G书写纸
尺寸:105*142MM

Content

Foreword

CONGRATULATIONS on buying our home DVR series.
The series of products are suitable for the custody of children and elders, monitoring of residence, office, store, factory and so on. It meets FCC, CE Authentication standards, and can offer you a safe, long-lasting, reliable and high-performance service.

Statement

1.Please read the manual in detail before using the product. The manual will present lots of significant information and notes of using the product. Please keep it well for future convenience. We hope we have satisfied your requirements, and hope it can serve you effectively and for a long time.

2.Under any circumstance, no matter civil infringement, contract or other reasons, we should not be responsible for any accidents, indirect or special damages caused by the manual or other information.

3.The guidance and description in the manual are precise for Home DVR series products at the moment when it is printed.

Liability Limit

 We will not be responsible for any sudden occurrences caused by earthquake, thunderbolt, fire, or any third party behaviours that exceed the duties and capabilities; including customer's intentional or unintentional mistakes, misuses and uses under improper conditions.

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- We will not be responsible for any occasional loss (loss of commercial profit and business interruption), which are caused by incapability of using the product.
- We will not be responsible for any loss or damage due to the nonperformance of the descriptions in the manual.
- We will not be responsible for any loss or damage caused by using any third party's product.

FCC Information

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These 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 this 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.

Important Information

The user manual provides important information for customers to use the product properly, and avoid possible hurts or damages. And this information can also decrease the hurt or damage to the lowest level.
Before you read the text, please make sure you have completely understood the following information and symbols. Please refer to the manual while using the product.

Illustration

DO NOT put the plastic package bags in reach of children or babies.

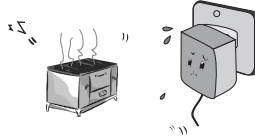◆ It might cause asphyxia if children or babies put the bags into their mouths.

DO NOT plug the AC adapter into the outlet in improper situations.

◆ Plucking or plugging AC adapter by wet hand might cause electric shock.

◆ Plugging AC adapter unsteadily might cause fire or electric shock.

DO NOT cover the AC adapter when it is connected to power socket, place the adapter near heaters, or put it on the floor which is equipped with a heater.

◆ The above mentioned operation might cause fire or incidents.

DO NOT put the camera in wet places where water might splash or where rainwater and mist might erode (Except weather-proof series).

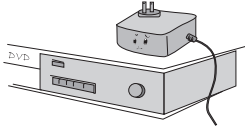◆ It might cause fire, shock, short circuit, etc.

DO NOT use the receiver on the surface of thermolabile material.

◆ Please embed thermal insulating material when using on the surface of the thermolabile material.

DO NOT place or use the AC adapter on temperature sensitive materials.

◆ The above practice might cause the plastic distortion, fading or sticking on the surface.

Please check the device regularly. If any abnormal performance is detected, check the power or restart it.
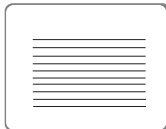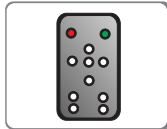
Accessories

Home DVR*1

Adapter*1

AV Cable*3

User Manual*1

Remote Control*1

Alarm Cable*2

USB Cable*1

Parameter

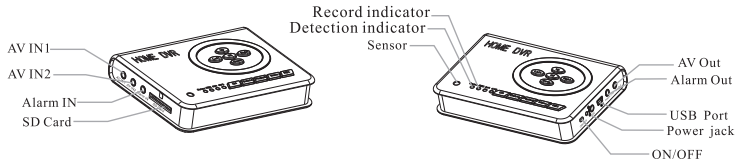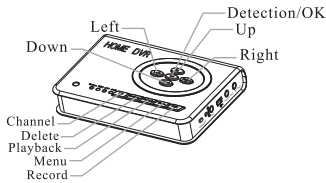|	
Image output system	NTSC/PAL Composite, 1V pk-pk, 75ohm with audio
Image input	2 cable inputs
Video format	MPEG4 AVI
Video resolution	720*480
Storage media	SD
Maximum memory	32GB Expansion
USB interface	2.0
Automatic record-overwrite	Optional
Recording session display	Optional
Video frame rate	5~30fps. (Adjustable)
Recording mode	Photo/Video
Start-up mode of video recording	Motion detection recording, scheduled recording, manual recording
Playback function	Normal, FF, REW
Power supply	AC 100~240V DC 6V 800mA
Operating temperature	-10~50℃
Operating humidity	20%~80%
Dimensions	130*95*24.5MM

Structure

Features

- ✦ Motion detection, scheduled and manual video recording
- ✦ Time stamp
- ✦ Video frame rate: 5~30fps. Adjustable
- ✦ 2 Channels loop
- ✦ Record overwrite

MOTION DETECT RECORD PLAY CHANNEL COLOR DC+12V POWER

Structure

Record indicator
Detection indicator
Sensor

AV IN1
AV IN2
Alarm IN
SD Card

AV Out
Alarm Out
USB Port
Power jack
ON/OFF

Function Key

Detection/OK
Up
Left
Down
Right

Channel
Delete
Playback
Menu
Record

Size

24.5MM
130MM
95MM
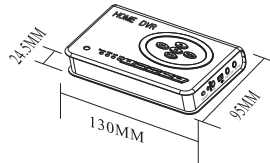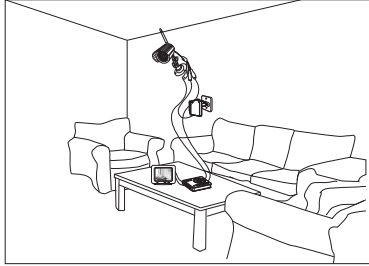
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Quick start

1. Fix the camera in a position you want.

2. Insert the SD card into Home DVR, turn on the power and connect the video camera , Connect the AV output to the monitor.

3. **Manual recording**: Press "REC" to start recording. Record indicator light flashes. The maximum time for a single recording session is 30 minutes; after that a new session starts. Press "REC" again to stop recording, save the file and exit. Record indicator light then turns off.

4. Press "Playback" to start playback, press "Delete" to delete a file or a folder.

5. In real-time monitor mode, press "OK" to activate motion detection recording," ☼ " appears on the monitor screen, Detection indicator lights up. When a moving object is detected:

a: **In Video Mode**, video-recording starts and Record Light flashes. "• REC" appears at the monitor interface. Record indicator light turns off after recording finishes.

b: **In Picture Mode**, picture-taking starts and Record Light flashes. "• REC" appears at the monitor interface. Record indicator light turns off after a picture is taken.

6. In real-time monitoring mode, press "Up" or "Down" to adjust the output volume. When recording, it always records the max input volume.
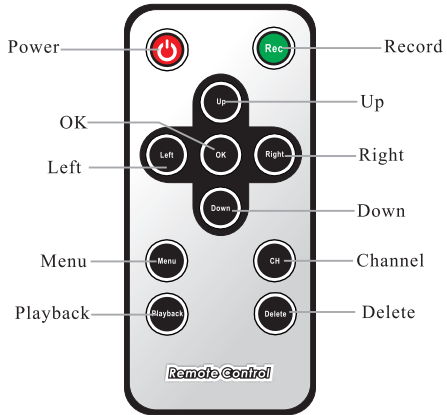
7. In real-time monitoring mode, press "CH" to manually shift the camera.

8. Press "Menu" to enter menu setup.

9. The device can be connected with an external alarm, if needed. You can insert the alarm plug into the "Alarm out" socket. You can also connect the device with an alarm switch by inserting the alarm switch plug into the "Alarm in" socket.
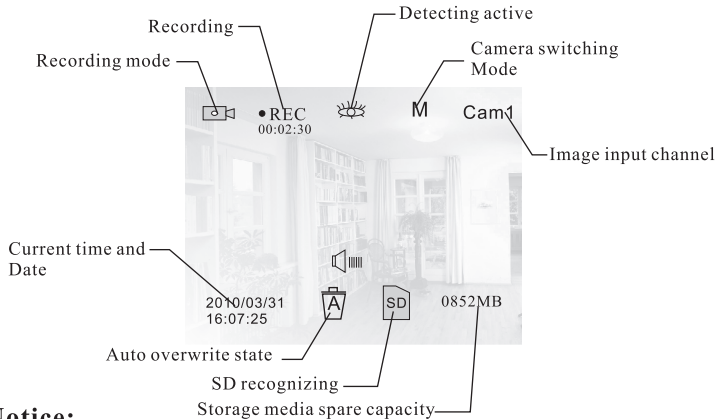
10. Remote control:

Power ——— (Power)   (Rec) ——— Record

    (Up) ——— Up

OK ——— (OK)

Left ——— (Left) (OK) (Right) ——— Right

    (Down) ——— Down

Menu ——— (Menu)   (CH) ——— Channel

Playback ——— (Playback)   (Delete) ——— Delete

Remote Control

Press keys to enable corresponding functions.

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Interface

working interface

Detecting active

Recording

Camera switching
Mode

Recording mode

Current time and
Date

•REC
00:02:30

M   Cam1

Image input channel

2010/03/31
16:07:25

A   SD   0852MB

Auto overwrite state

SD recognizing

Storage media spare capacity

Notice:

1）SD card icon description
When the storage media is in normal state for video recording, SD card icon and the remaining capacity will appear on the screen.
When the storage media has no space, the center of screen is marked "Memory Full".
When the storage media is not inserted or can not be identified, SD card icon will not appear on the screen and the remaining capacity is displayed as OM.
2) The "•REC" icon and the timing below appears only during video recording.
3) Recording modes include picture-taking and video-recording.
4) The letters M and A refer to camera manual switch and automatic switch respectively.
5) Automatic record-overwrite icon and detection icon appear only when detection function is turned on.
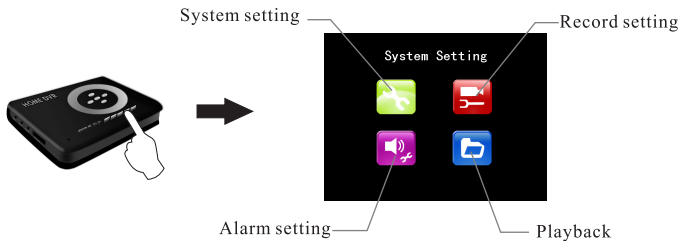6) Volume control icon displays only when volume is being adjusted.

NOTICE

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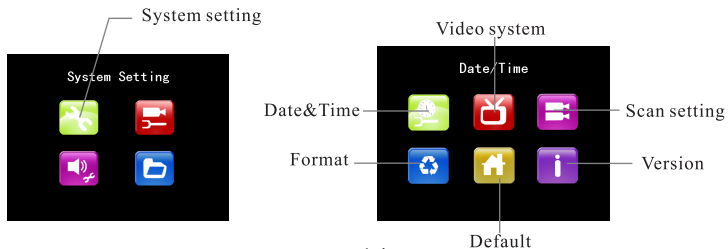# Functional menu

Function menu setup:

Press "MENU" to enter the menu interface below, then press "UP", "DOWN", "RIGHT" or "LEFT" to select an item. The selected icon will be highlighted, with explanatory text displaying at the top of the screen.
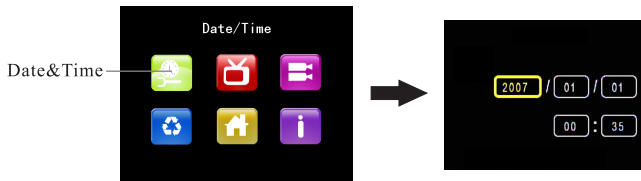Press "OK" to enter sub-menu. In the end press "MENU" again to exit the menu setup interface.

System setting

Record setting

System Setting

Alarm setting

Playback

System Setting

Press "UP", " DOWN", " RIGHT" or " LEFT" to select an item, which will be highlighted with explanatory text appearing at the top of the screen. Press "OK" to continue relevant setting.
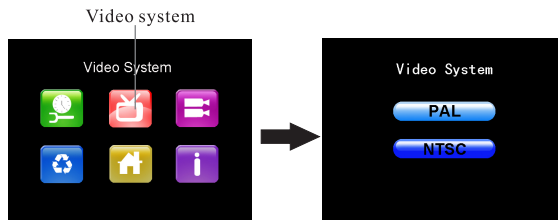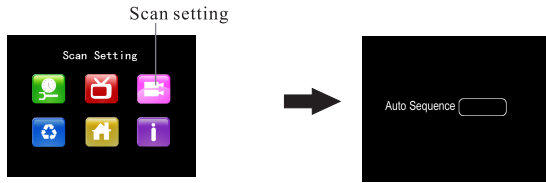
System setting

Video system

System Setting

Date/Time

Date&Time

Scan setting

Format

Version

Default

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A、 Time Setting

Date&Time —

Date/Time

2007 / 01 / 01

00 : 35

Press "RIGHT", "LEFT" to select, press "UP", "DOWN" to set. Press "OK" to save the setting. Otherwise please press "MENU" to return to the main menu.

B、 Video System

Video system

Video System

Video System

PAL

NTSC

Press "UP" or "DOWN" to select the system you need, the selected item will be highlighted ,press"OK" to save and exit. Otherwise please press "Menu" to exit (**NTSC by default)**.
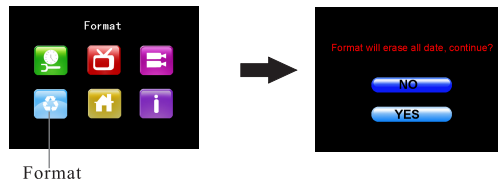
C. Set the camera automatic switch

Scan setting

Press "UP" or "DOWN" to select a time. Options: OFF, 5 sec, 10 sec, 15 sec, 30 sec.

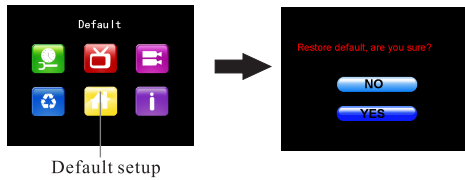When finish selection, press "OK" to save the setting. Otherwise please press "MENU" to return to the main menu.

D. Format the SD card (FORMAT)

Format

Press "UP" or "DOWN" to select "YES / NO". The selected item will be highlighted, then press "OK" to save and exit. Otherwise please press "Menu" to exit.
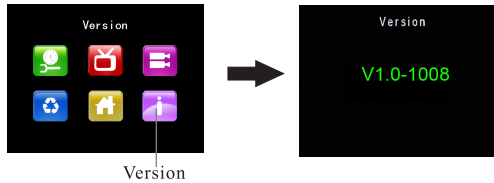
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E. Default Setup

Default setup

Press "UP", " DOWN" to select "YES / NO". The selected item will be highlighted, then press "OK" to save and exit; Otherwise please press "Menu" to exit.

F. Software version and software upgrade

Software version number of the receiver displays under the function.

Version

The system displays the following message if there is a software upgrade file in SD card. In this case press "OK" to upgrade the system.

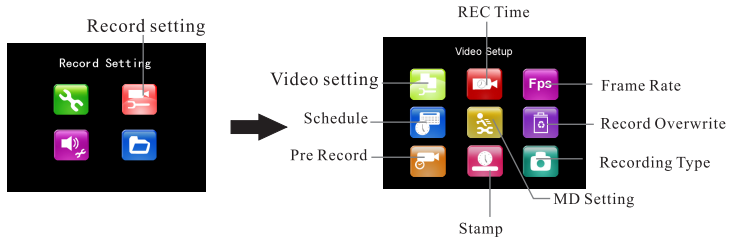When software upgrade is complete, the system will exit the menu.

Note:
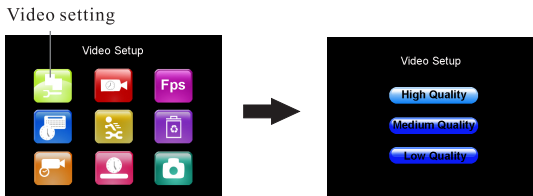When the software is upgrading, ensure power won't be off and do not remove the SD card.

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Press "UP", " DOWN", " RIGHT" or " LEFT" to select an item, which will be highlighted with explanatory text appearing at the top of the screen. Press "OK" to continue relevant settings.
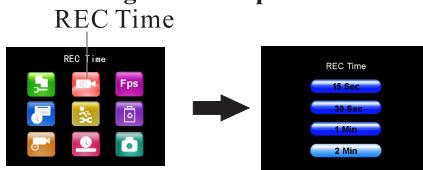
Record setting

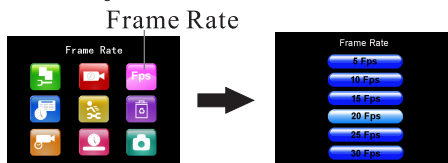REC Time

Video Setup

Video setting

Frame Rate

Schedule

Record Overwrite

Pre Record

Recording Type

MD Setting

Stamp

A. Video Setting

Video setting

Video Setup

Video Setup

High Quality

Medium Quality

Low Quality

Press "UP" or "DOWN" to select. The selected item will be highlighted. Press "OK" to save and exit. Otherwise please press "Menu" to return to the previous menu. This item is **Medium Quality by default**.

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B. Detection recording time setup

REC Time

Press "UP" or "DOWN" to select the detection recording session. The selected item will be highlighted. Press "OK" to save the setting. Otherwise please press "Menu" to return to the previous menu. **The session is 15SEC by default**. Recording session refers to length of the recording triggered by motion detection. A new timing will start upon the last movement of an object detected by the device and then recording continues. Therefore the above-said session is only a minimum time of recording started by a trigger and when pre-recording feature is off. The maximum time a single recording file can cover is 30 minutes.
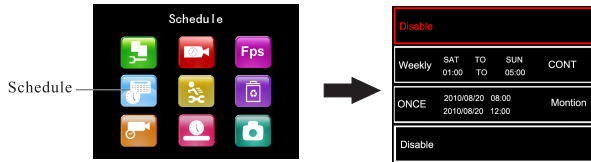
C. frame rate adjustment

Frame Rate

Video frame rate is the video frame per second. The higher the frame rate is, the smoother the video is, and also the larger the video file is. Vise versa, the smaller the frame rate is, the smaller the video file is and the less smooth the video will be. Press "UP" or "DOWN" to select the frame rate. The selected item will be highlighted. Press "OK" to save. Otherwise please press "MENU" to return to the previous menu. The frame rate is **25FPS by default.**

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D. Scheduled recording (SCHEDULE)

Scheduled recording function enables you to set 4 schedule tasks. Press "UP" or "DOWN" to select. Press "OK", then Disable turns red and you can start to set up a task. Press "UP" or "DOWN" to enter the following interfaces.

1）There are two modes of schedule recording: weekly mode and one-time mode.

2) Recording trigger modes include continuous mode and motion detection mode.

Continuous mode: In continuous mode, the system will start and stop recording according to the scheduled time. Several files will be made until the end of scheduled time, with each file lasting 30 minutes.

Motion detection mode: In motion detection mode, the system will activate motion detection according to the scheduled time. Recording starts when the system detects any movement of the object. The recording length depends on Rec time setup.

Press "RIGHT" or "LEFT" to select, press "UP" or "DOWN" to set time and recording mode. Press "OK" to save the settings. Otherwise please press "MENU" to return to the main menu.

Description:

a. When the unit enters Auto Switch Camera mode, if the Timing Continuous Recording is turned on, the videos recorded by the two cameras will be saved as one file.

b. When the unit enters Auto Switch Camera mode, if the Timing Detection Recording is turned on, after the triggered recording is finished, the cameras will be automatically switched until next trigger.
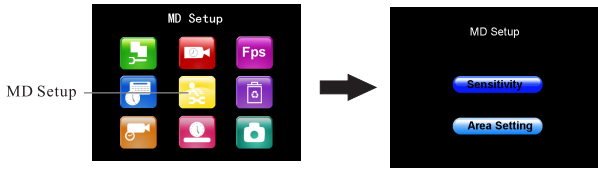
Press "RIGHT" and "LEFT" button to make selection, and then press "UP" and "DOWN" button to set the time and recording mode. Press "OK" to save the setting; if no setup is desired, press "MENU" button to return to the main menu.

Note:
During Shooting mode, if set as Continuous Timing Shooting, the unit will take photos every 2 seconds. So long-time shooting will produce large amount of files, which would lead to slow operation and even crash.
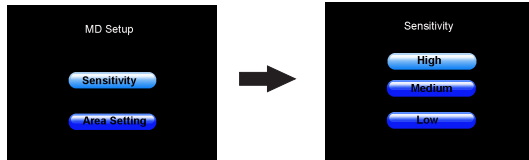Please avoid long-time timing shooting.

E. Motion detection setup (MD Setup)

MD Setup

Press "UP" or " DOWN" to select. The selected item will be highlighted. Press "OK" to save the setting. Otherwise please press "MENU" to return to the previous menu.
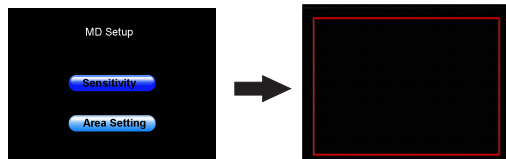
1)Sensitivity setup

Press "UP" or "DOWN" to select. The selected item will be highlighted. Press "OK" to save the setting. Otherwise please press "MENU" to exit to the previous menu.
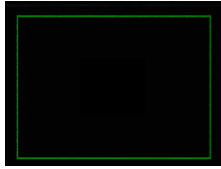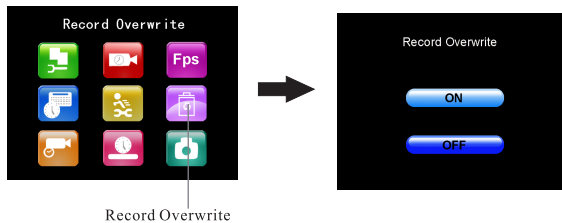The sensitivity is **Medium by default**.

2) Area setup

A red rectangular frame displays on the screen. Within the frame you can set the motion detection range by setting the frame size.

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Press "UP" or "Down" to move the frame boundary.
Press "DELETE" to complete the setup and then set the frame
location. The frame turns green.

Press "UP", " DOWN", " left", " Right" to set the motion
detection range. Press "OK" to save the setting. Otherwise
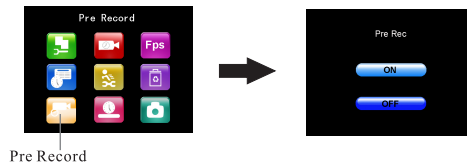please press "MENU" to return to the previous menu.

F. Automatic overwrite switch (RECORD OVERWRITE)

Record Overwrite

When the "Record Overwrite" function is enabled, the device
will delete the oldest files recorded to free space for
storing new videos after the storage media is full. If "Record
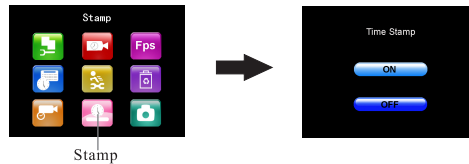Overwrite"is disabled, the device will stop recording when the
storage media is full.

Press "UP" or " DOWN" to select, press "OK" to save the setting.
Otherwise please press "MENU" to return to the previous menu.
The function is on by default.
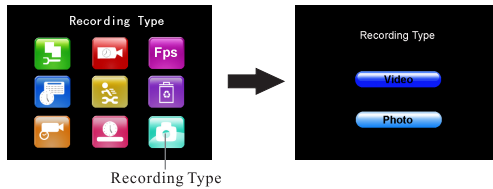
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G. Pre-recording (Pre REC)

Pre Record

In MD recording, Pre Rec function enables recording to start **3 seconds before** the trigger, so as to include processes before and after trigger into the recorded video.
The item **is ON by default**.

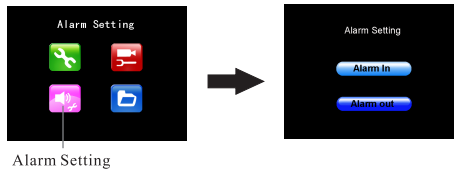### H. Time stamp switch (TIME STAMP)

Stamp

When time stamp function is on, the system will add date and time to the recorded video. Press "UP" or " DOWN" to choose whether to activate the function. Press "OK" to save your setting. Otherwise please press "MENU" to return to the main menu. **The function is on by default**.

I. Recording type (Recording Type)

Recording Type

Press "UP" or "DOWN" to select. Press "OK" to save your setting. Otherwise please press "MENU" to return to the main menu. The type **is video by default**.
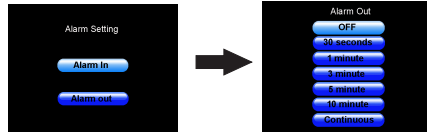
Alarm setting (Alarm Setting)
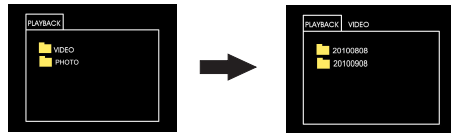

Alarm Setting

1)Alarm in

Press "UP" or "DOWN" to select. Press "OK" to save your setting. Otherwise please press MENU to return to the main menu. External Alarm, Select the Matching Options with trigger swith and the "Alarm out" time was preset, when triggered, the alarm will send alarm tone. **Default setting is off**.

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2)Alarm out

Press "UP" or 'DOWN" to activate the alarm and set up the lasting time of alarm sound. Press "OK" to save your setting. Otherwise press "MENU" to return to the main menu.
The setting **is OFF by default**. External Alarm, When the switch connected to alarm in socket is triggered, the alarm will make sound.

File playback

After entering playback mode, you shall first find the folder in which the file is located. The root directory is "VIDEO" and "PHOTO" and the subdirectories are named by respective recording dates.
Press "UP" or "DOWN" to select the folder. Press "OK" to enter the folder and then press "MENU" to return to the previous folder.

Enter the folder, Press "RIGHT" or "LEFT" to select page,
press "UP" or "DOWN"to select the file you want and press
"OK" to play.File name is generated based on the recording
time and camera "HHMMSS_ CAM_ recording method," SCH
refers to scheduled recording. MAN refers to manual recording
and MOT is motion recording.
In the course of play, press "Left" button for fast backward
and "Right" button for fast forward. Long press "Left" button
for 2 seconds to play the previous file and long press "Right"
button for 2 seconds to play the next file. Press "OK" button to
pause and press it again to continue.

During playback, press "UP" or "Down" to adjust the playback
volume.
After a file or a folder is selected, press "DELETE" to pop up
the delete options, press "UP" or "DOWN" to delete the
current file, delete all files or delete current file. Press "Menu"
 to exit to the previous menu.

Certificate

The product is meet with CE/FCC/ROHS.Please see the certificates as following:

CE   FC   RoHS

Improve the Quality

of Your Life