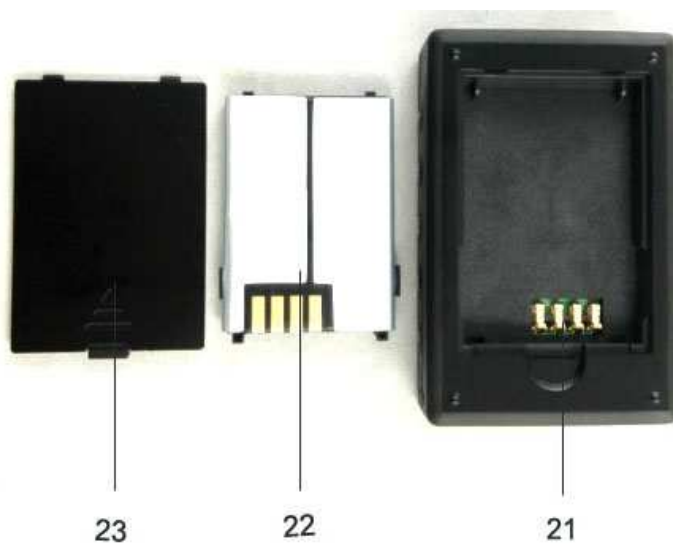


# Operation Manual

(H.264 1080P Portable DVR)

## Hardware Orientation

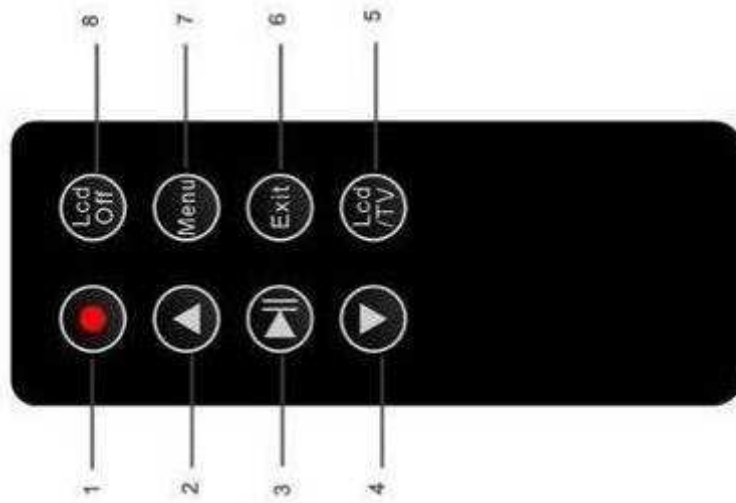
### I. DVR Main Unit





- |                                       |  |                         |
|---------------------------------------|--|-------------------------|
| 1. Power On/Off                       | 2. Charge Led                                  | 3. Internal Microphone  |
| 4. HD signal Input                    | 5. Low Power LED                               | 6. Record / Stop Button |
| <b>7. Power On/Record LED</b>         | 8. D5V In Jack                                 | 9. USB Port             |
| <b>10. AV Out &amp; Wired control</b> | 11. Reset Button                               | 12. Lock Switch         |
| 13. Internal Speaker                  | 14. SD Socket                                  | 15. Remote Sensor       |
| 16. <b>Down Button&amp;Zoom+</b>      | <b>17. Up Button / Zoom-&amp; Light On/Off</b> |                         |
| 18. Enter Button                      | 19. Esc Button(OSD OFF)                        | 20. Menu Button         |
| 21. Battery Spring                    | 22. 1100mAh Rechargeable Battery               | 23. Battery Cover       |

## II. Remote Control



- |                                 |   |                          |
|---------------------------------|---|--------------------------|
| 1. Record/Stop button           | 2. <b>Up Button / Zoom-&amp; Light On/Off</b> | 3. Enter Button;         |
| 4. <b>Down Button&amp;Zoom+</b> | 5. LCD/TV Switch Button                       | 6. Exit Button(OSD OFF); |
| 7. Menu Button                  | 8. LCD Off Button;                            |                          |

### III. Accessories



Battery



AV Cable



Control



Wired Control Button



Leather



AC Adapter



USB Cable

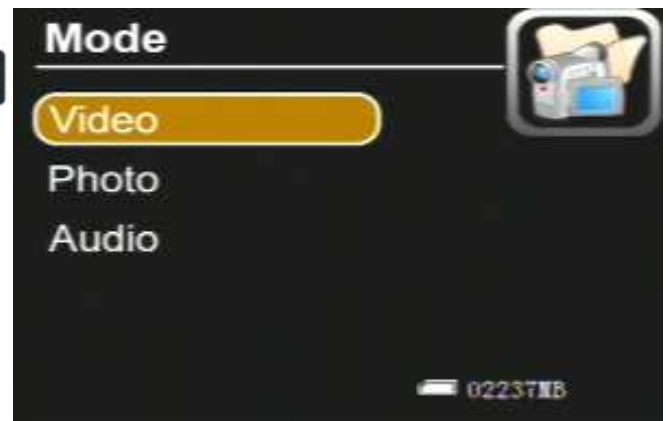


Manual

# I. Recorder setting

## Setting Work Modes

There are three work model for record(Video record/Photo record/Audio record) :



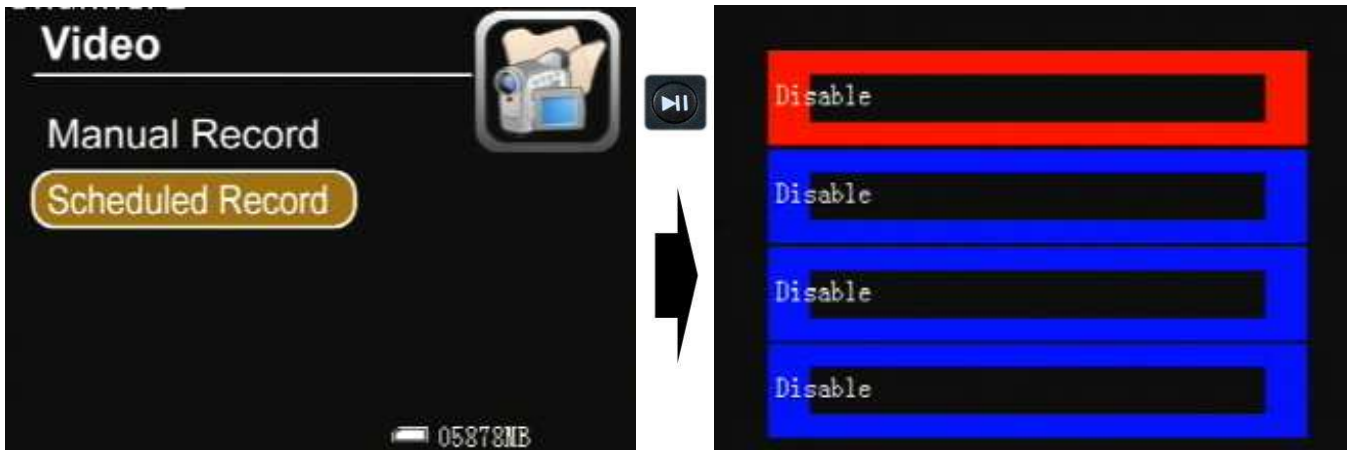

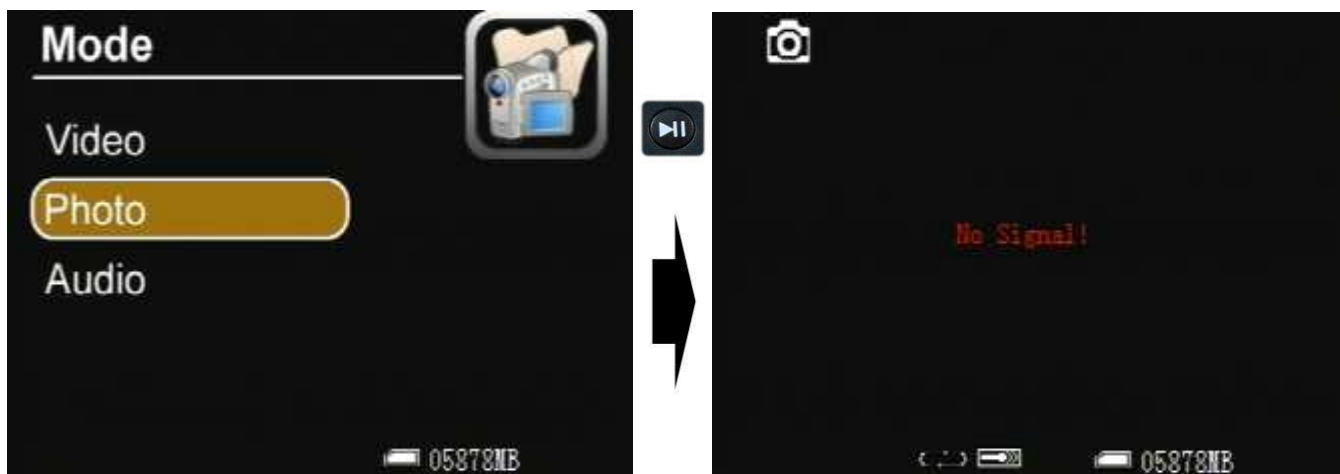



Figure 0

- **Record** ----- for video and audio record, the record data will be saved in AVI files under the “Record Files” folder; the prompt icon will appear on the top left corner of the screen.

**Manual Record**-----Push the Record / Stop switch  to “Rec” side to start a recording  
**Scheduled Record**-----System starts and stops recording according to the scheduled period preset

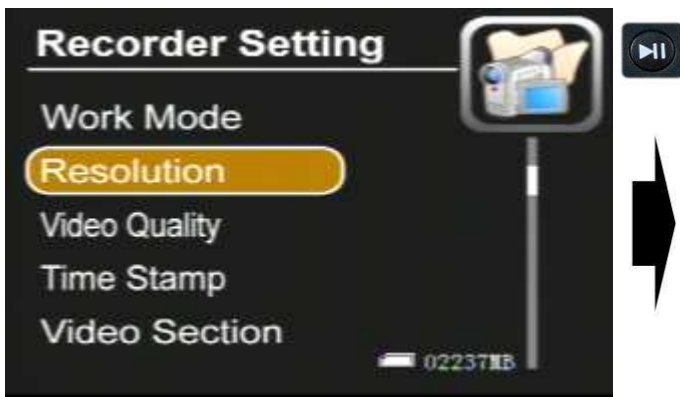


- **Photo** --- for still picture capture, Push the Record / Stop switch  to “Rec” side to take a photo, photos will be saved in 2048 X 1536 \*JPG files under the “Photo Files”, and the prompt icon will appear on the to left corner of the screen.



- **Audio** ----for only audio record, the record data will be saved in WAV files under ""Audio Files"" and the prompt icon will appear on the top left corner of the screen;

## Resolution



## Video Quality



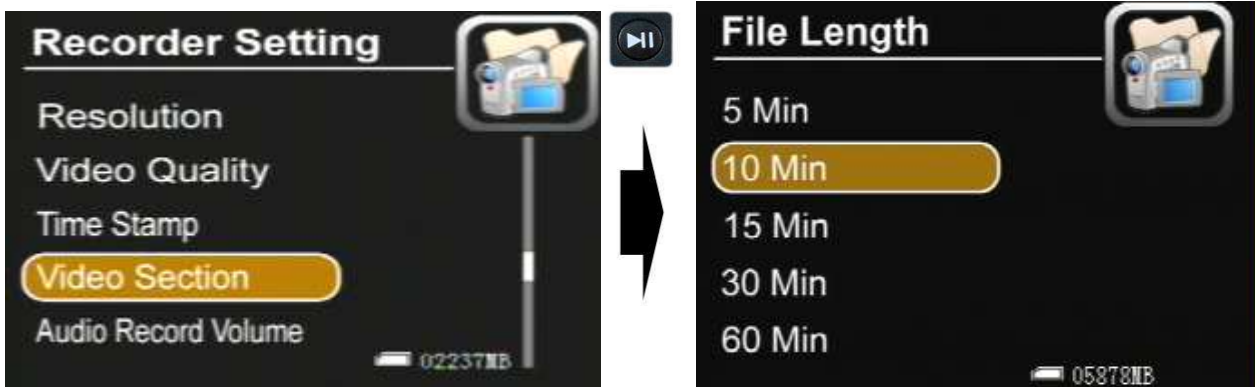
- **Video Quality** ----Three option for video quality,the lower video quality,the longer recording time  
**High**-----Best image quality,about 6 GB memory / 1 hour  
**Medium**-----Normal image quality,about 4 GB memory / 1 hour  
**Low**-----Low image quality,about 2GB memory / 1 hour

## *Time Stamp*



- **Time Stamp** ----Off/On,Real-time stamp off / on the recorded video

## *Video Section*



- **Time Stamp** ----Set up section recording section for each video file

## *Audio Record Volume*





- **Audio Record Volume** ----Adjust input audio volume

## Microphone Select



- **Microphone Select** ----Choose built-in microphone or external microphone with camera

## Overwrite

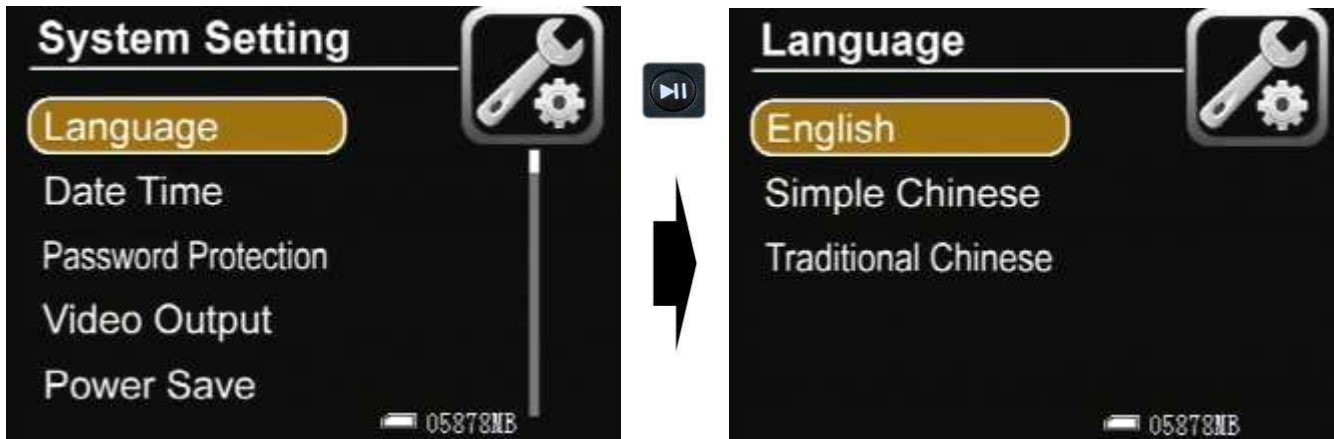


- **Overwrite** ----System will delete the first 500MB files once SD card is full to save new files



# II. System Setting

## Language



- **Language** ----Choose your language

## Date Time



- **Language** ----Set local date & time

## Password Protection



- **Language** ----Set password when connect USB port / Delete recorded files / Foamat SD card,the default "000000"

## Video Output



- **Video Output** ----Output analog signal with 720x480 30FPS by output port

## Power Save





- **Power Save** ----Power Off for the system or LCD

## Vibe Alert



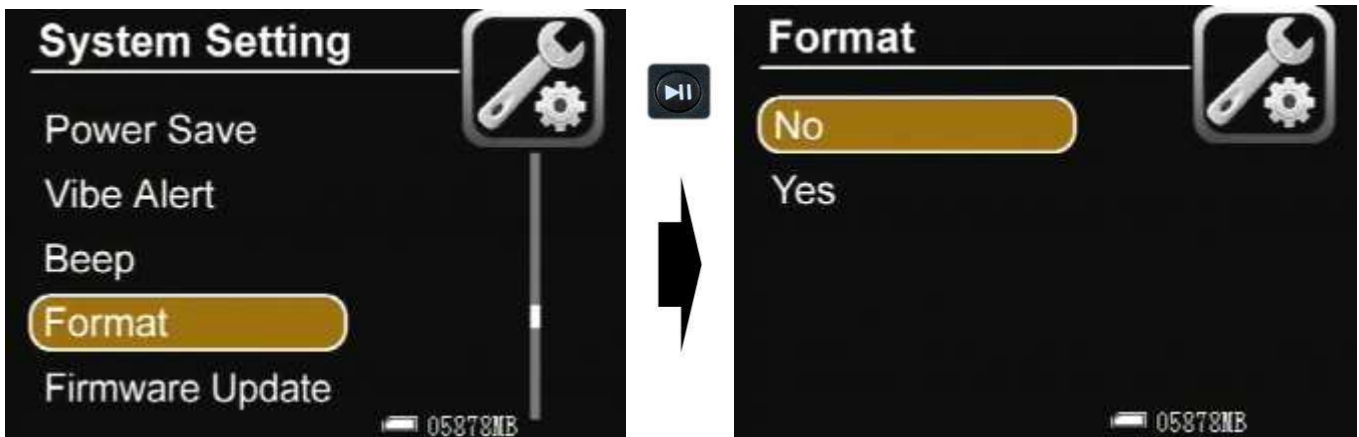
- **Vibe Alert** ----Choose "On",system will shake once no signal input / start to record / stopping record

## Beep



- **Vibe Alert** ----Choose "On",built-in speaker will beep when push button.

## Format



- **Format** ----Choose “Yes”to format the inseted SD card,all files can not be restored after being formatted from SD card,default password is “000000”

## Firmare Update



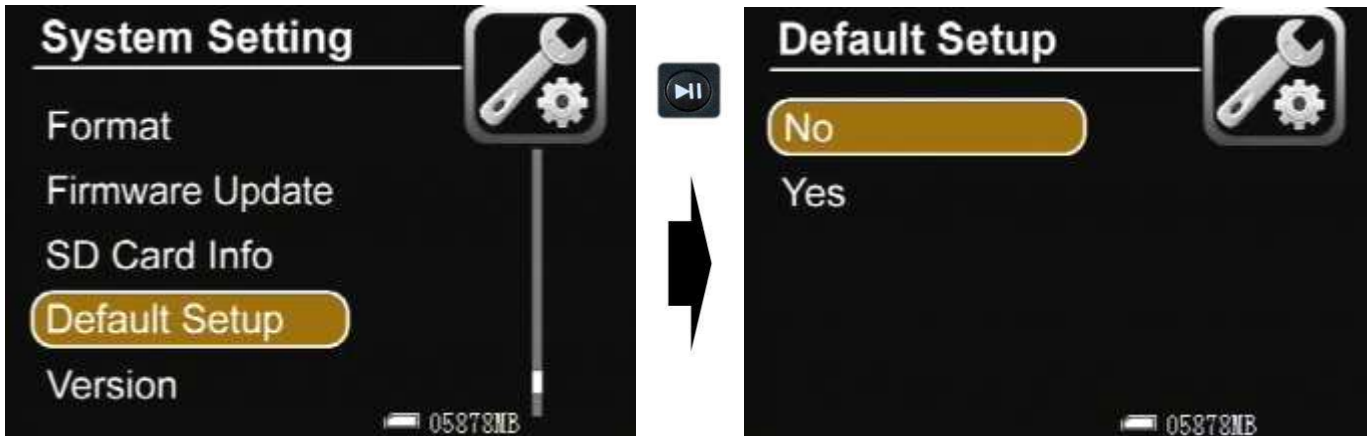
- **Firmware Update** ----If need to update the firmware update,please copy firmware to SD card,inset SD card,choose “Yes” for update,system will shut down automatically after upgrades successfully.need to wait 1-2 minute or so.

## SD Card Info



- **SD Card Info** ----Check SD card memory capacity

## Default Setup



- **Default Setup** ----Restore all setting to factory default

## Version

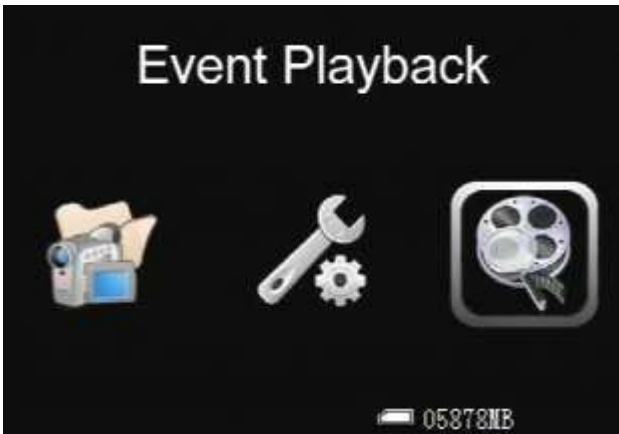


- **Version** ---- Firmware version number.

# III.Event Playback

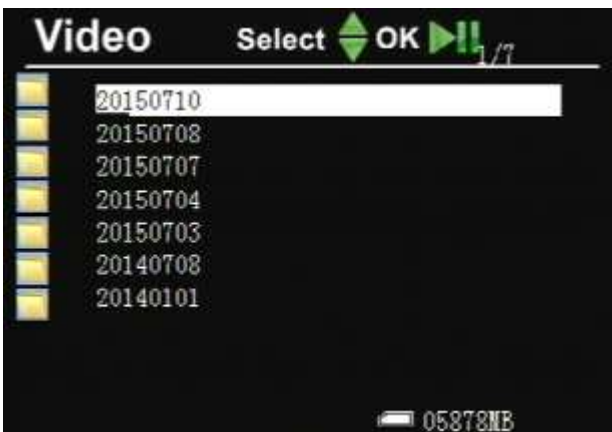
## Files Playback






- **Video Files** ---- Video files Playback.
- **Photo Files** ---- Photo files Playback.
- **Audio Files** ---- Audio files Playback.
- **All Files** ---- Browse all files on SD card

## Manager Files



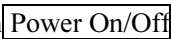

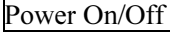



Move the cursor onto the Files Brower, then press Select Button  to select the storage media, then the folders

and files will appear the screen, the recorded files will be listed by the order of record time, move the cursor to select a file, when press the Menu Button , the file manager menu will popup on the screen,you can play back, copy, paste, delete the file, or view it's attribute etc.  
Default Password is "000000",so you can push directly "Enter" first time

## Basic Operation

### I. How to turn on / off the DVR:

- Turn on /off the DVR by the  switch. 
- Push   to "On/Off" side until the RED power led light to turn the DVR on , then the start up picture will appear on the screen; when the DVR is power on, push the  switch  to "On" side until the shut down picture appear on the monitor to turn the DVR off,  
PS: if the video signal and SD card are unavailable the DVR will alarm by vibration and the red letters on screen until they all are ready;



Start up




Shut down

Figure 1

Figure 2

**Note:the Logo pictures can be changed by customized pictures**

- One button for all tusk by the Alarm In Cable   
Press the button to the DVR will power on to record, if the you want to stop the recording , please press the button the release the switch , the DVR will save all files and power down;

Ps: 1.. the Alarm In Cable Button  is inserted into the AV Out& Alarm In Jack  ;

- You can turn off the DVR on your schedule as the setting automatic shutdown time, as shown in the following



figure ;



Figure3

PS: Camera Manager Interface orientation as the following: (as shown in Figure 4)

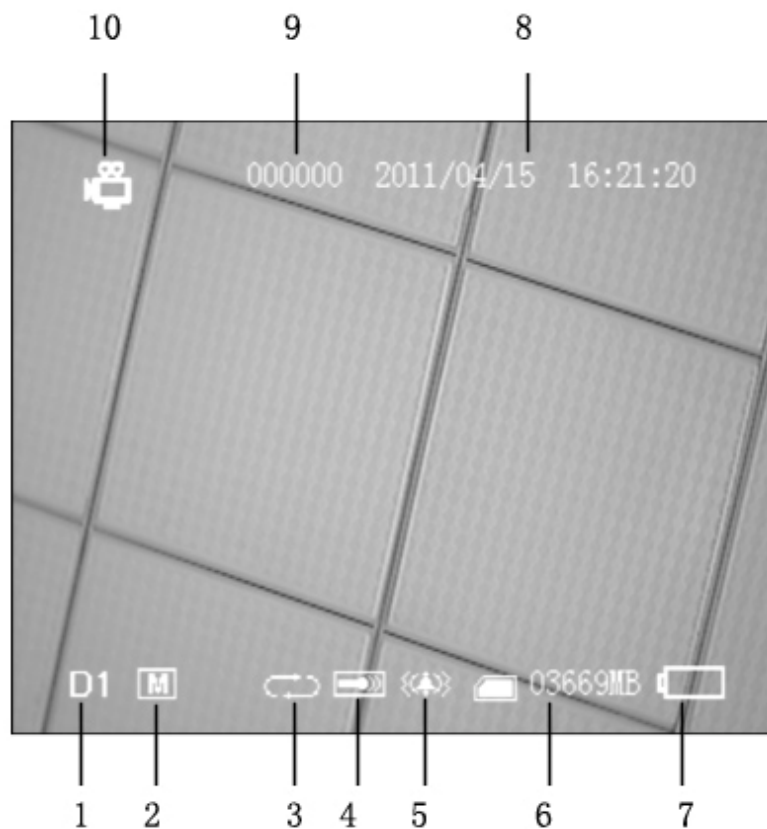


Figure 4

- |                      |                           |                    |
|----------------------|---------------------------|--------------------|
| 1. Image Size;       | 2. video Resoluton ;      | 3.Overwite On/Off; |
| 4.In/Out Microphone; | 5. Vibration On;          | 6. SD card info.;  |
| 7.Battery Capacity;  | 8. Date and Time Stamped; | 9.User ID;         |

- **The special external HD camera bullet or button from us can be connected to the DVR directly via the HD-In port without additional power cord, the DVR cant support any other cameras;**

## **HD DVR Specifications**

- **Video compressed format:** H.264 , files format: AVI
- **Photo format:** JPGE
- **High Resolution LCD:** 2.4", TFT true color LCD;
- **Audio and video input:** HD camera;
- **Audio and video output:** RCA 3-in-1 AV output;
- **Storage type:** hard disk and SD card(FAT 32 ,support over 32G);
- **Video size and speed:** **1920x1080@30FPS or 1280x720@60FPS or 1280x720@30FPS**
- **Photo size:**2048 X 1536 pixel
- **Power supply for external camera is available:** Voltage: 5V max. current: 500 mA;
- **Multi record mode:** Manual/Auto/Motion detection/Scheduled
- **Digital zoom:**1X-10X
- **Real-time recordings are marked in File;**
- **Compute transfer screen:** USB2.0;
- **Recording time:** 2.5minute~3.5 hours /1G ;;
- **Power consumption:**400mA , 3.7V 1000 mAH chargeable Li-ion battery, 5.0V 2A AC Adapter;
- **Size:** 79 mm x 51 mm x22 mm;
- **Weight:**85g (included battery);

## **External HD Camera Specifications**

- 1/3-inch CMOS digital image sensor with an active-pixel array of 2304Hx1536V
- 2.2µm pixel with Aptina™ A-Pix™technology
- Full HD support at 60 fps (2304H x 1296V) for maximum video performance
- Superior low-light performance
- 3.4Mp (3:2) and 3.15Mp (4:3)still images
- Color filter array:RGB Bayer
- Integrated position-based color and lens shading correction
- Auto black level calibration
- Support for external LED
- Operating temperature: - 30° C to + 70° C
- Working voltage:3.4V to 4.5V

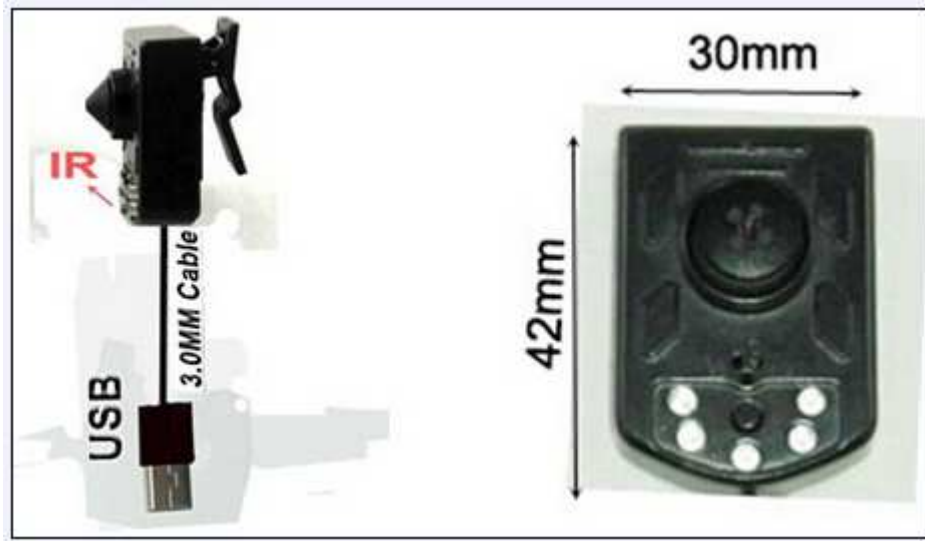
Headset camera HD



Mini square camera



Clip IR camera



Interchangeable lens

