2 Channel Mini DVR

Manual

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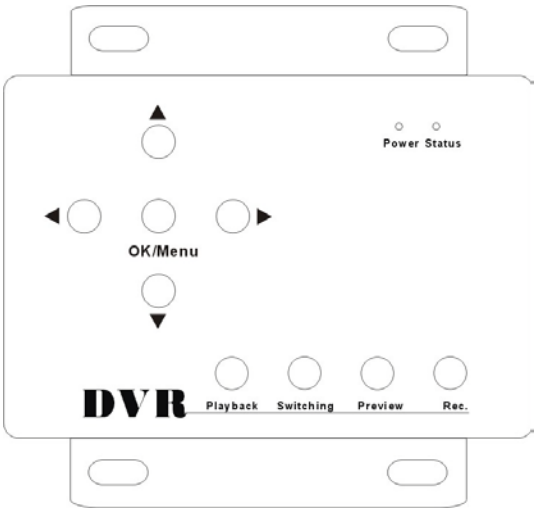
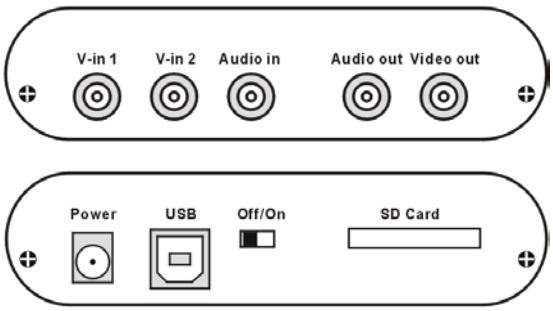
Keys on DVR



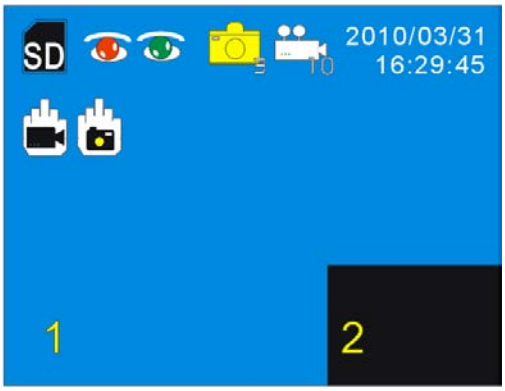
↑	Move up
↓	Move down
←	Move left
→	Move right
OK/Menu	Confirm/enter into main menu
Power	Power indicator
Status	Working indicator
Playback	Playback videos
Switching	Switch cameras
Preview	6 pictures preview
Rec.	Manual start/stop recording

Side face on DVR



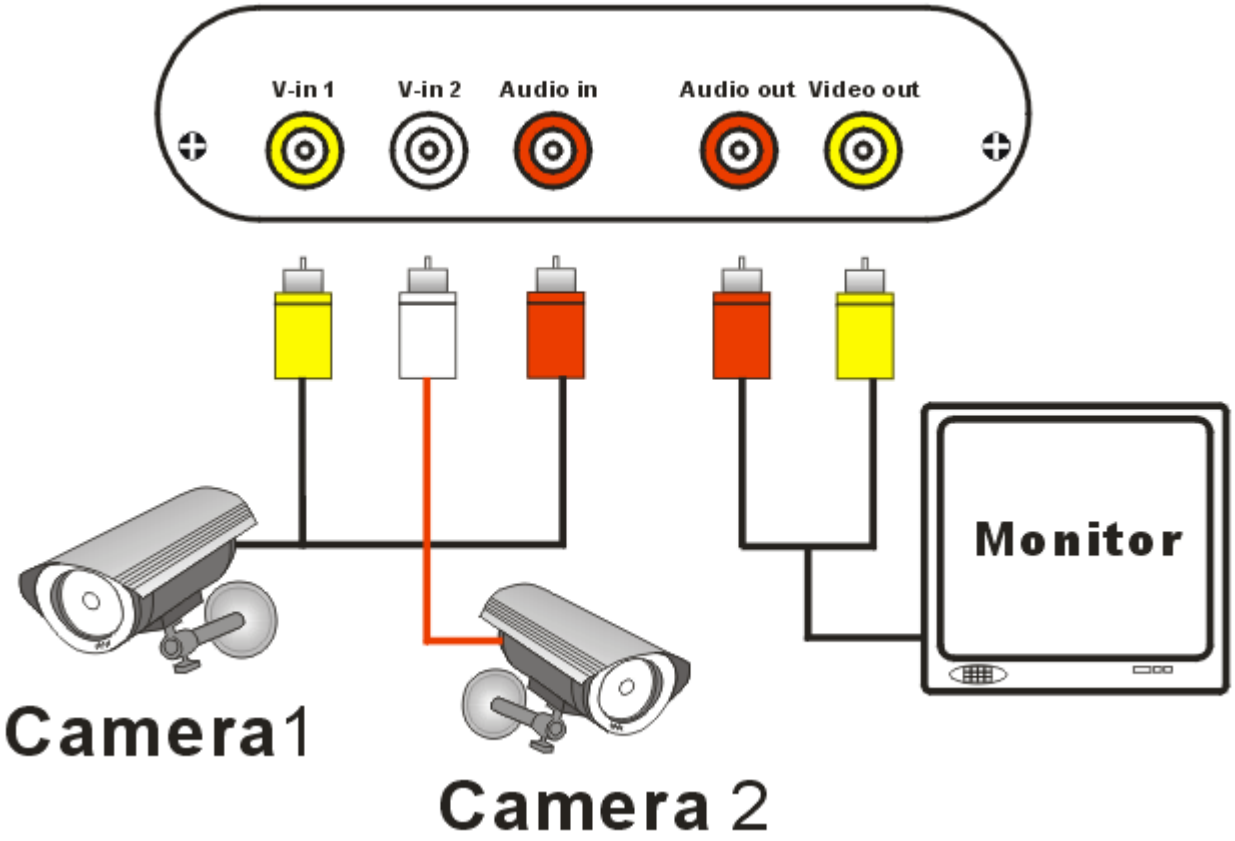
V-in 1	Camera 1 video input
V-in 2	Camera 2 video input
Audio in	Camera audio input
Audio out	Audio output
Video out	Video output
Power	Connect with power adapter
USB	Connect with original USB cable
Off/On	Power on/off
SD Card	Insert SD card

Icons on screen



SD	SD inserted
	Manual start recording
	Manual start snapshot
/	Record by motion detected
/	Motion detection status
1	Camera 1 video
2	Camera 2 video
2010/03/31	Date (Year/Month/Day)
16:29:45	Time（Hour/Minute/Second）

How to connect with cameras



1， 2 cameras can be connected with DVR and working at the same time

2， Please take out the original 3 pins AV cable

3， **Yellow cable**: one side connect with camera 1(video out) , and the other side connect with DVR(V-in 1)

4， **White cable**: one side connect with camera 2(video out) , and the other side connect with DVR(V-in 2)

5， **Red cable**: one side connect with camera 1 or camera 2(Audio out),the other side connect with DVR(Audio in)

(* The audio can be recorded when the camera have audio out function)

How to connect with Monitor/TV

1， Please take out original 2 pins AV cable.

2， **Yellow cable**: one side connect with DVR (video out) , and the other side connect with monitor/TV (Video in)

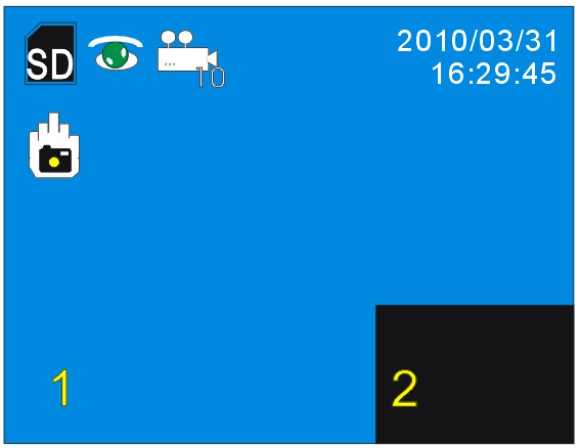
3， **Red cable**: one side connect with DVR (Audio out) , and the other side connect with monitor/TV (Audio in)

Switch camera to record

You can see 2 different pictures on screen and choose which camera you need by press ”Switching” key in standby mode.

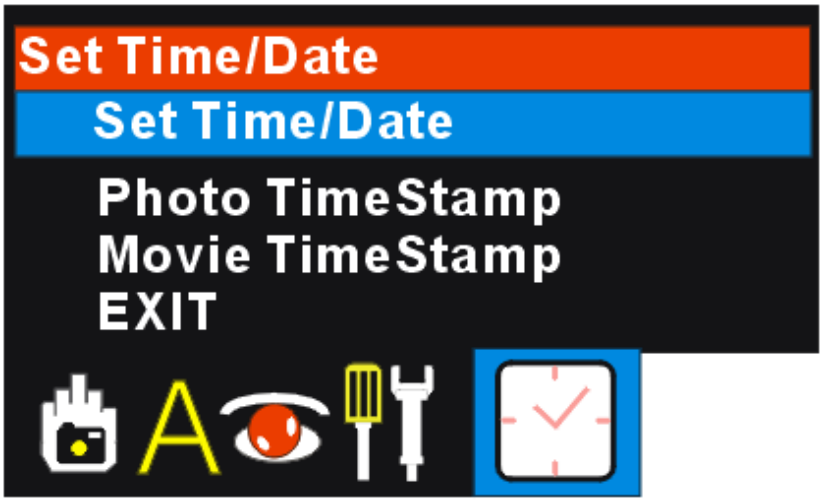
1， If only 1 picture on full screen, the DVR only record 1 camera pictures, and the frame is 30f/s.

2， When 2 pictures on screen, the larger picture is recording mode, the recording frame is 10f/s. The smaller picture is snapshot mode.

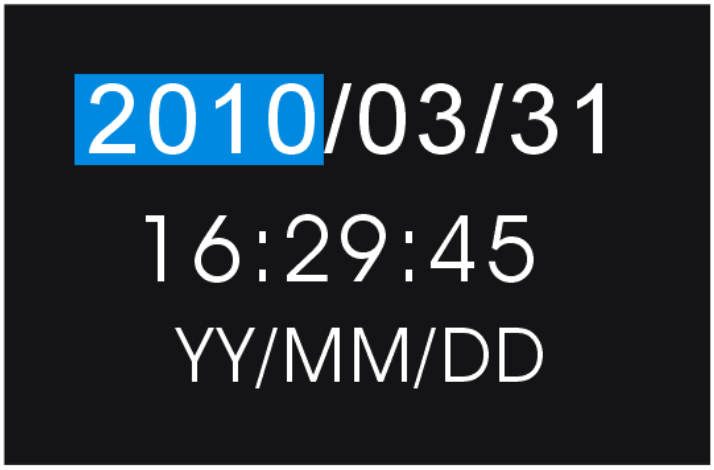


Set time and date

Insert a SD card before use it. Press “OK/Menu” key to enter into main menu and choose icon.



1， Choose Set Time/Date, press “OK” to confirm. Press”←, →”key to choose items. Press”↑,↓” to set.



2， You can set the date format when you choose “YY/MM/DD”. Press”↑,↓”to set it.

Manual Record setting

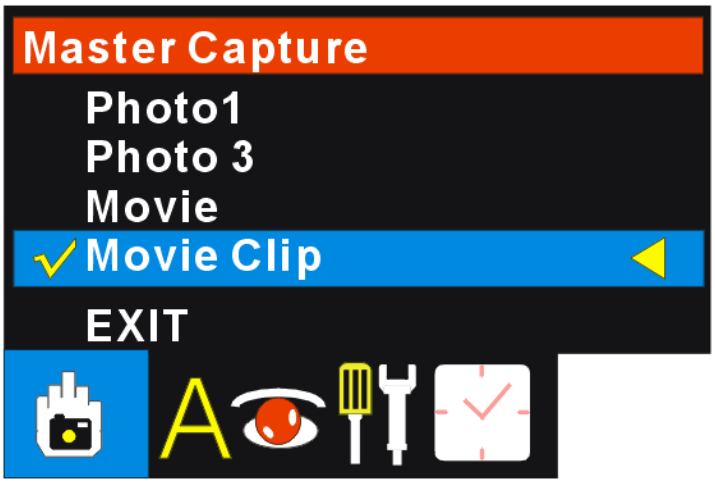
1，Press ”OK” key enter into main menu and choose ,choose Master capture to set it.

2，**Photo 1:**Snapshot 1 photo when manual record

Photo 3: Snapshot 3 photos when manual record

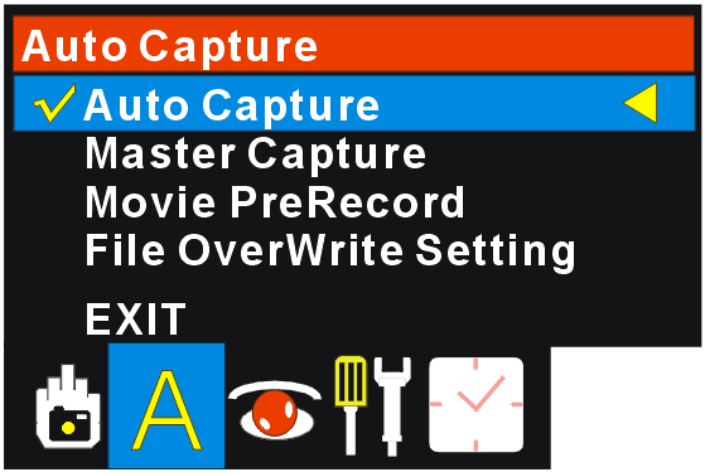
Movie: Record videos when manual record

Movie Clip: Record videos clips when manual record，1minute for every clip.



Motion detection settings

1， Press “OK” key enter into main menu and choose A icon.



Auto Capture: Choose ON to turn on motion detection, choose OFF to turn off.

2， **Mater Capture**：4 working status under motion detection mode

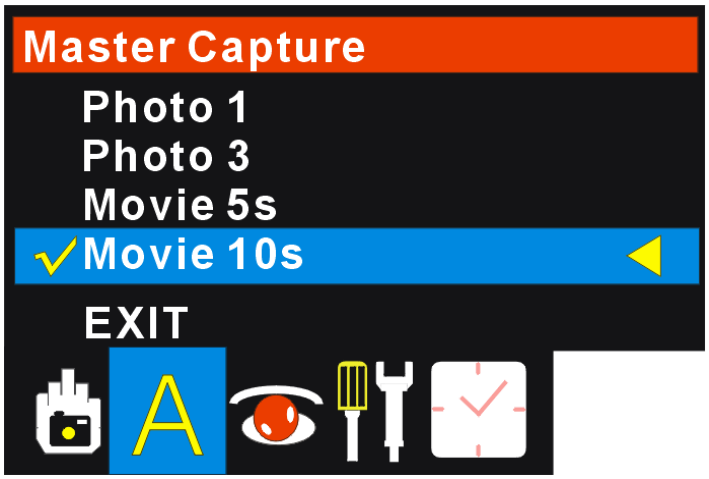


Photo 1：Snap shot 1 photo when motion detected

Photo 3: Snap shot 3 photos when motion detected

Movie 5s: Record video for 5 seconds per clip when motion detected

Movie 10s: Record video for 10 seconds per clip when motion detected

3， **Movie Prerecord**：

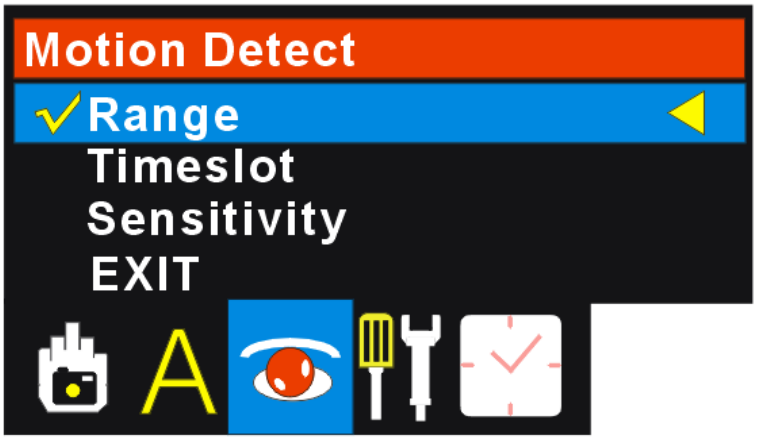
Choose ON to turn on prerecord function, choose OFF to turn off. This function will help DVR record videos between 2 clips. Generally speaking, 2-3 seconds can be saved in next clip.

4， **File Overwrite Setting:**

Choose ON to turn on overwriting function, choose OFF to turn off. DVR will delete the 100MB to save new videos when SD card capacity less than 10MB.

Set motion detect range and sensitivity

1， Press “OK” key enter into main menu and choose icon



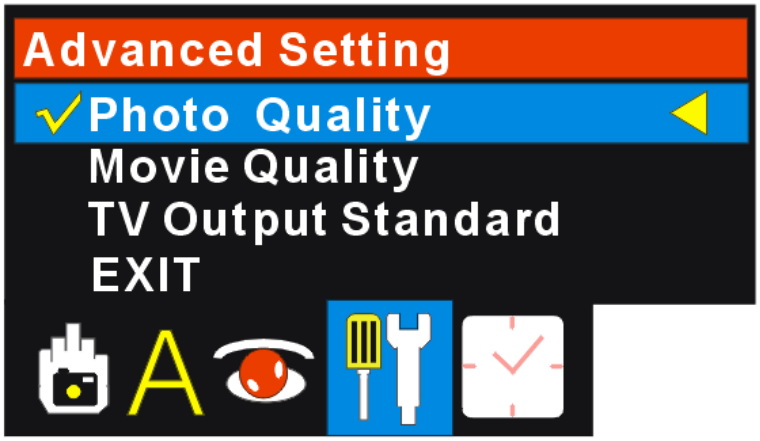
Range： You can choose 1/1（full screen）,1/4 screen,1/16 screen as surveillance area.

Timeslot： You can choose 1,3,5 seconds as motion detect time

Sensitivity：Set motion detect sensitivity in Low, Middle, High status. The motion detection will be triggered easy when you set it high.

Picture quality and TV mode setting

1，Press ”OK” key enter into main menu and choose icon



2， **Photo Quality (detail resolution please see the list below)**

High quality: High resolution

Standard quality: Standard resolution

Low quality: Low resolution

3， **Movie Quality (detail resolution please see the list below)**

QVGA: QVGA Resolution

D1: D1 Resolution

Resolution in different status

Status	Video		Snapshot	
	1 camera	2 camera	1 camera	2 camera
D1&HIGH	720x576	720x480	720x576	720x480

D1&Standard	720x576	720x480	720x576	720x480
D1&Low	720x576	720x480	720x576	720x480
QVGA&HIGH	360X288	360X288	720x576	360X288
QVGA& Standard	360X288	360X240	720x576	360X240
QVGA& Low	360X288	360X288	720x576	360X288

4， **TV Output Standard**

You can choose PAL or NTSC mode to fit your Monitor and TV

Playback

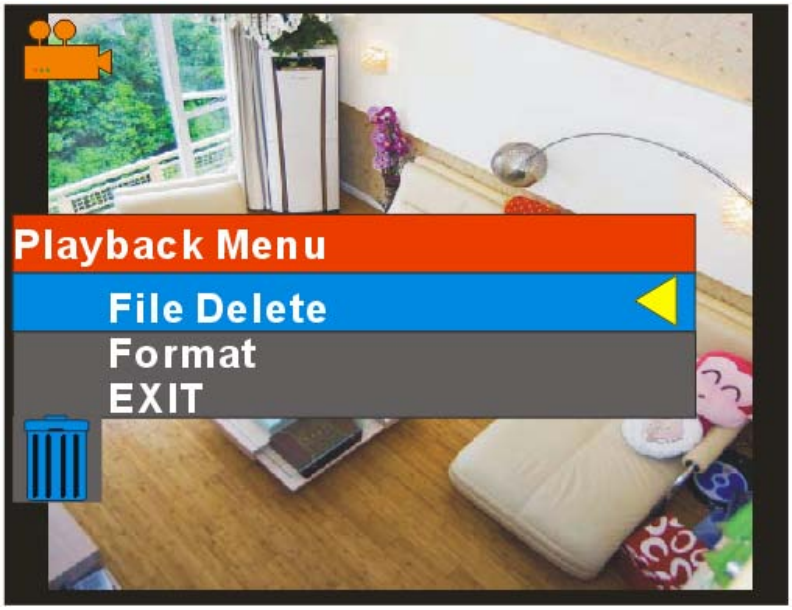
Press “Playback” key in standby mode. You can see the video recorded time at the left corner. Press “←”“→” keys to choose the video you want to play back, and press “Rec.” key to play videos.

6 Pictures preview mode

Press “Preview” key under Playback mode.You can see 6 different pictures on screen, and you can press “←”“→” keys to choose the video by different timestamp at the left corner. Press “OK” to choose and press “Rec.” to play the video.

Delete files

1， Press “Playback” key in standby mode. Press “OK” to Choose the file you want to delete, and then press “OK” to delete it.



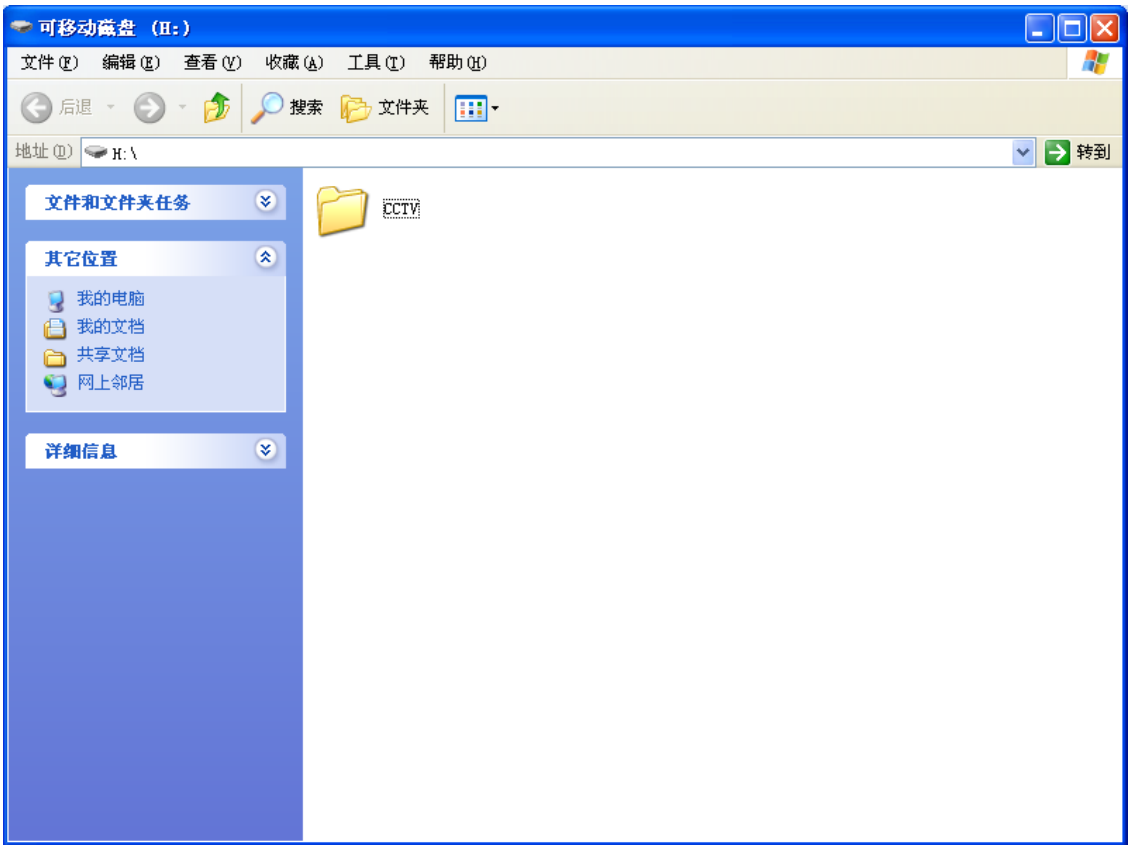
File Delete: delete current file

Format: Delete all files in SD card（All files will lost and can not get them back.）

Read files by USB cable

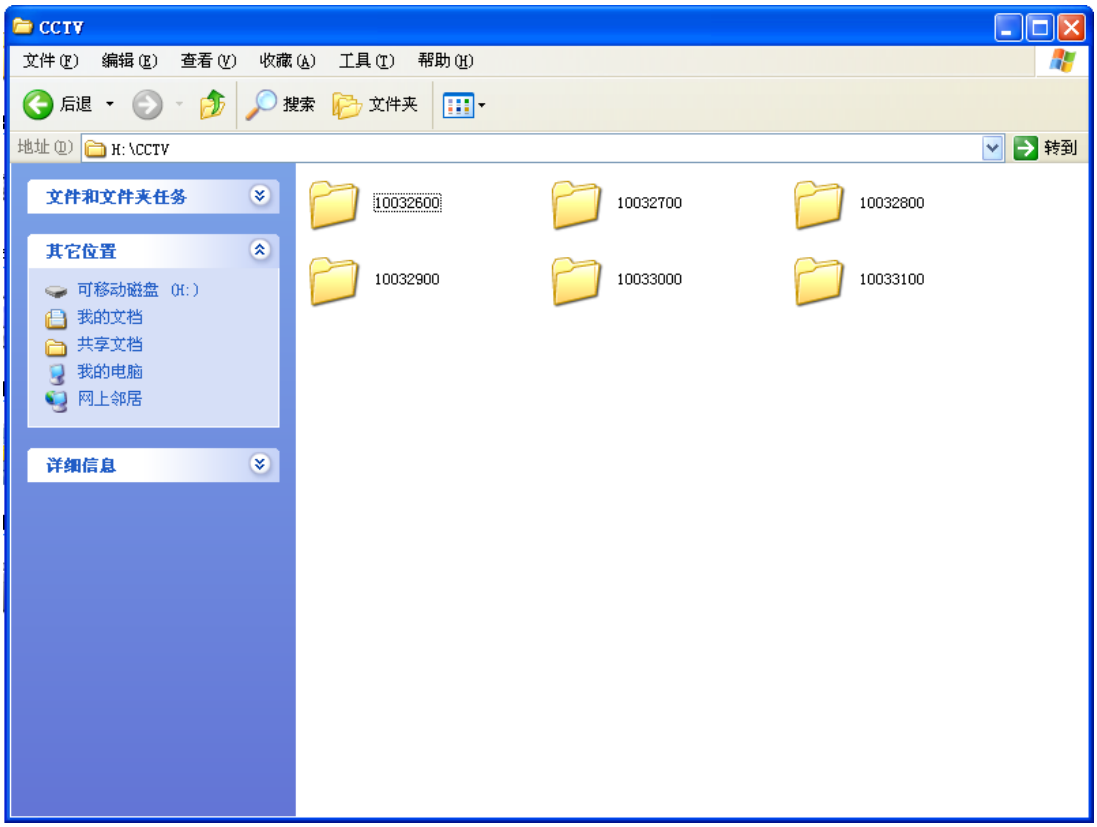
1， Connect DVR with computer by original USB cable.Turn on DVR, “MSDC” will display on screen

2, You can see the folder named “CCTV” in your computer.



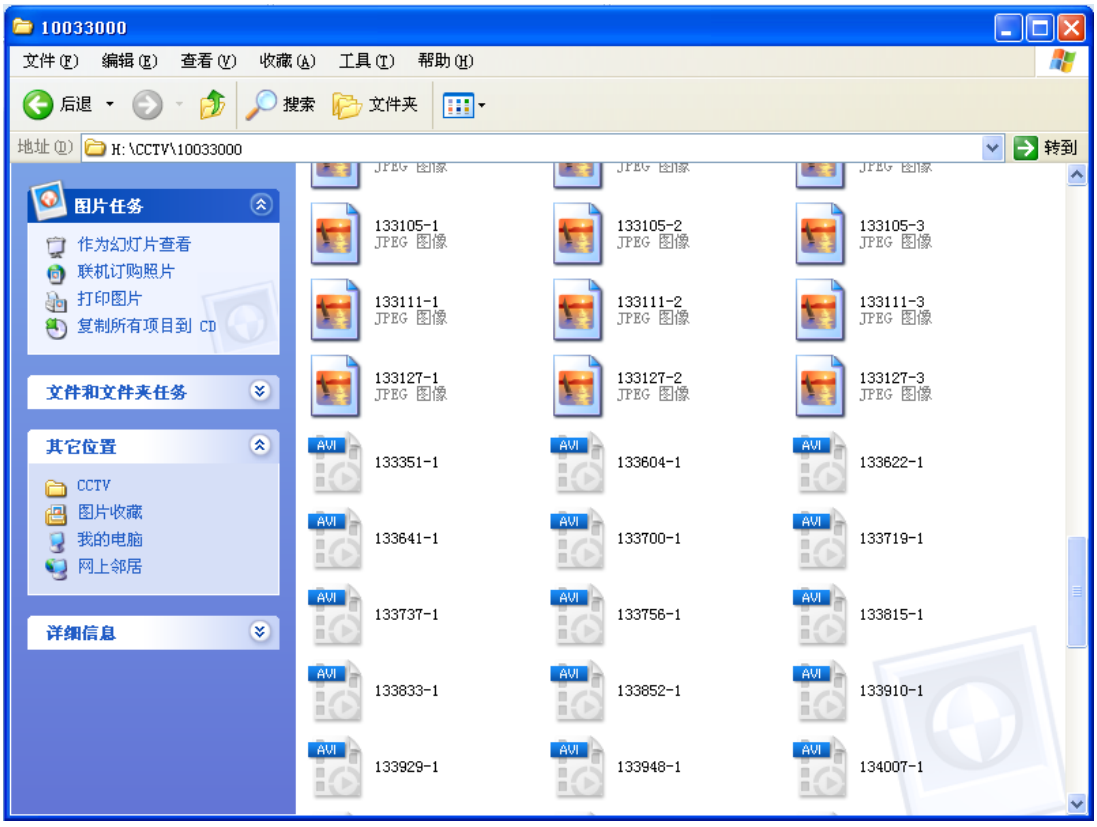
3， You can see many folders and named by different date.

For example：10032600.The format is Year/ Month/ Date.



4， You can see many videos or pictures named by different time in the folder.

For example：133105-1. The format is Hour/ Minute/ Second



Specifications

AV Input	3 RCA ports (2 video+1 audio)

AV Output	2 RCA ports (1 video+1 audio)
Frame	Pal:25f/s NTSC:25f/s
Resolution	D1:720X576
	QVGA:360X288
Compression format	M-JEPG & Standard JPEG
Detect mode	Motion detection
Working mode	Recording/snapshot
Memory	SD/SDHC card≤32GB
USB port	USB 2.0
Power	DC12V (5V-36V optional)
Working electricity	≤250Ma
Working temperature	-10℃~+50℃
Working humidity	20%~85%
DVR weight	160g
DVR dimension	101X105X26mm (LxWxH)