

Quick Start Guide



PRECAUTIONS



Read the following precautions before operating the XtendaCam® Inspection Pole.



Contact with power lines can result in death or serious injury.

The following actions will void The warranty:

DO NOT TWIST THE CARBON TUBES when adjusting the length of the pole. This will effect the internal communications cabling and destroy the mechanism.

Do not remove the bottom cover from the battery base.

The camera head on the MANUAL XtendaCam®, the control pad and the battery are NOT waterproof, they are “splashproof” only. Do not submerge the camera head, control pad, display and battery.

The camera head on the MOTORIZED TILT XtendaCam® IS WATERPROOF, HOWEVER, the control pad and the battery are NOT waterproof, they are “splashproof” only. Do not submerge the control pad, display and battery.

ATTACHING DISPLAY CABLE



1. Remove the “ACC” plug cap.

2. Insert and thread the plug on the video cable until it seats firmly in place.



3. Attach the mini DIN connector plug from the video cable to the monitor/display/recorder.



BATTERY ASSEMBLY



1. Remove the battery from the case.

2. Charge the battery. Charging the battery takes 3-4 hours for a complete charge. Note the battery is fully charged upon initial delivery.



3. Align the internal plugs.

4. Thread the base completely onto the pole.



5. When assembling the battery section, apply a light coating of synthetic grease to the “O” Ring. If “O” Ring appears worn replace immediately. *Buna O-Ring -131*



6. When the battery is low a warning will be displayed on the monitor, 15 minutes of battery life remain.

LEG ASSEMBLY



1. Remove the 2 legs from the storage case.

2. Thread in one of the legs into the collar at the working end of the pole.



3. Thread the other leg into the remaining hole.

4. Adjust position- use locking screw to secure in place.

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RECHARGING BATTERY

1. Remove the charging system from the case.



2. Remove the battery base from the pole.



3. Plug the charging cable into the battery base.

4. Plug the AC power adapter into a wall socket.



5. DO NOT remove the bottom cover from the battery base. *This will void the warranty.*



EXTENDING AND COLLAPSING THE XTENDACAM® POLE LENGTH



1. Using hand pressure only, turn the locking collet to the left to loosen (Arrow 1 above), and to the right to tighten (Arrow 2 above).

2. To extend the length, loosen the locking collet slightly and pull straight up. **DO NOT TWIST THE CARBON TUBES.** When the correct length is achieved, tighten the collets.

3. To collapse the poles, perform the above process in reverse. **DO NOT TWIST THE CARBON TUBES.**

CAUTION: NiMh BATTERY

When ordering replacement battery packs, please notice the marking on the bottom of the battery pack holder.



There are 2 distinctly different types of batteries used: Nickel Cadmium and Nickel Metal Hydride. The different types are based upon the applications of the products' use.

When ordering look at the bottom of the battery pack for the part number "EM 43050, NiMh" for Nickel Metal Hydride.

If there is not an engraved part number then the battery pack is Nickel Cadmium.

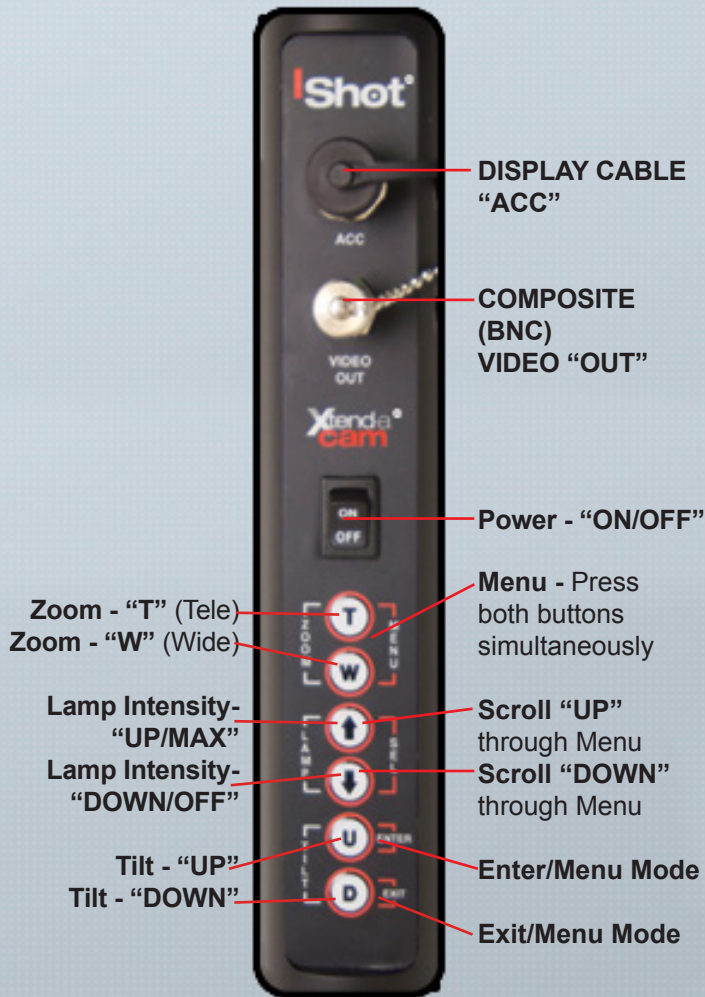


Note: The collet at the camera head is NOT adjustable. Turning the collet will void the warranty. If the collet is rotated, the camera head will turn and shear the internal communication cable.

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TILT CONTROL PAD FUNCTIONS



MANUAL CONTROL PAD FUNCTIONS



MENU CONTROLS OF THE XTENDACAM® MANUAL & TILT SYSTEM

Press the "Menu/Exit" button to exit out of the menu at any time. Adjustable features that are available are as follows:

- Focus (using the "ZOOM" button will put the camera back into Auto Focus)
- Shutter
- Gain
- Iris
- Auto Exposure
- Factory Reset
- Save Current Settings
- Recall Current Settings
- On Screen Display
- Backlight Control (only available with auto exposure)
- Automatic Slow Shutter (only available with auto exposure)
- Mirror
- Black/White or Color

MANUAL XTENDACAM® ONLY:

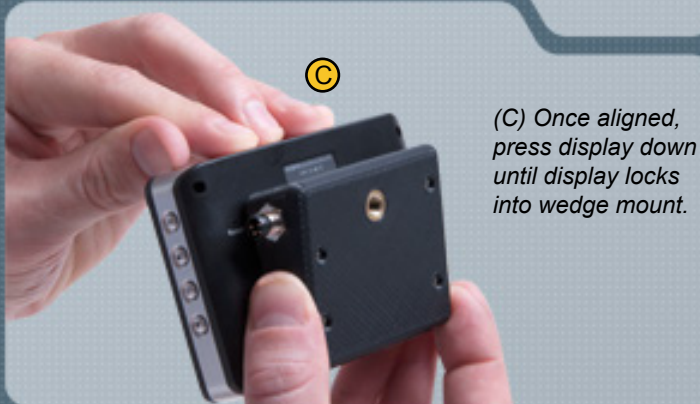
Press the "FREEZE/ENTER" button to use selected feature, if there's an adjustment available use the Lamp Increase or Lamp "UP" or Lamp "DOWN" buttons to change the settings, otherwise the selected feature will activate when "FREEZE/ENTER" is pressed.

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Xtenda[®] cam

Monitor/Recorder

Installing Monitor on to Cradle



See Page 5 for Monitor and Recorder Functions.



Mounting Monitor Cradle on Pole

(D) Attach swivel ball mount to pole. Thread ball mount into the bottom of the monitor cradle.

(E) Loosen ball mount nut to adjust monitor position. Once position desired is obtained, tighten nut.

(F) Connect Monitor cradle with provided cable to (G) ACC connector.

MANUAL

XTENDACAM[®] HEAD AND THE CONTROL PANEL ARE NOT WATER PROOF



TILT

XTENDACAM[®] HEAD IS WATER PROOF CONTROL PANEL IS NOT WATER PROOF

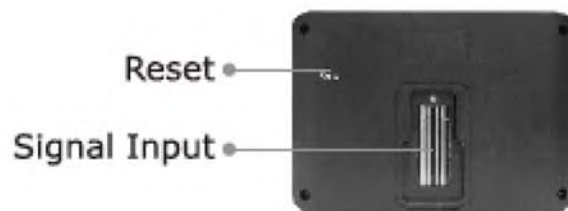
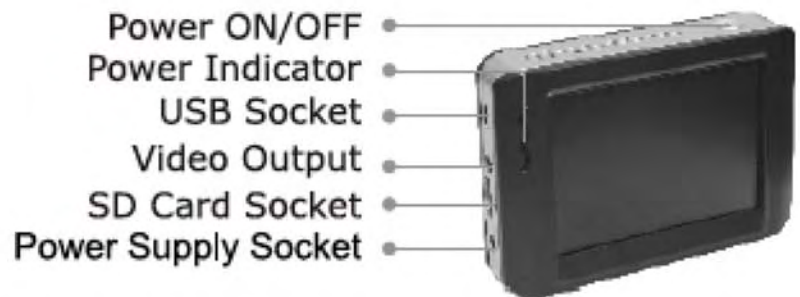
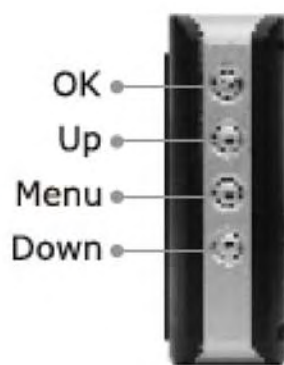


LCD Monitor and DVR Manual



MODEL HC8414

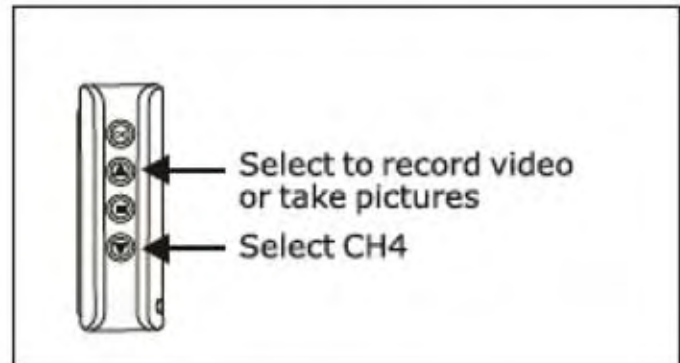
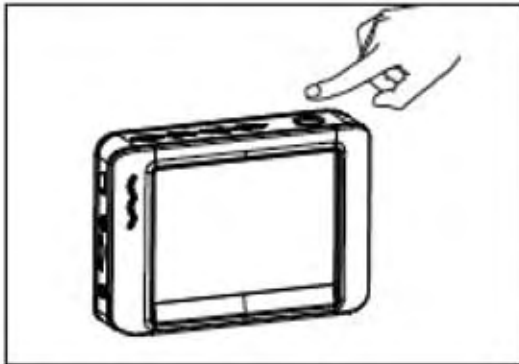


Monitor/DVR



Selecting Video or Image Capture

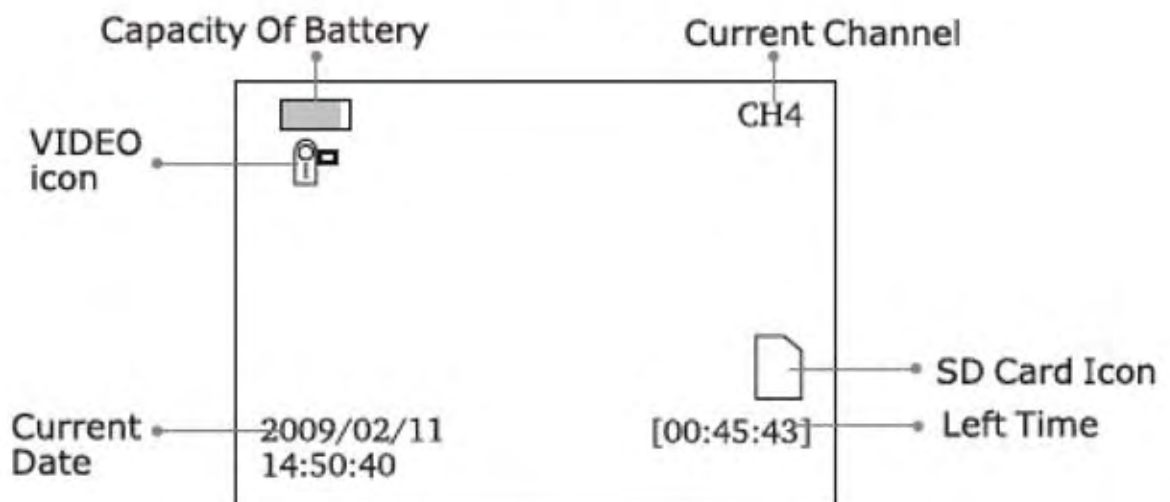
Press and hold on the Power ON/OFF button on monitor for 2 seconds , the power indicator will be green, then press  button to select the **CH4(channel 4)** and the picture will display on LCD of monitor and press  button to select recording video or take pictures status:





Other Operation and Settings for Monitor

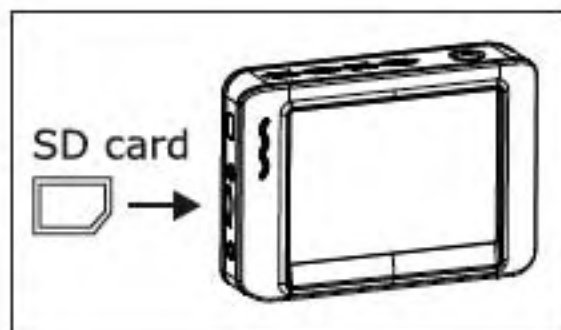
Record Video

1. During operation, press  button to enter VIDEO mode:



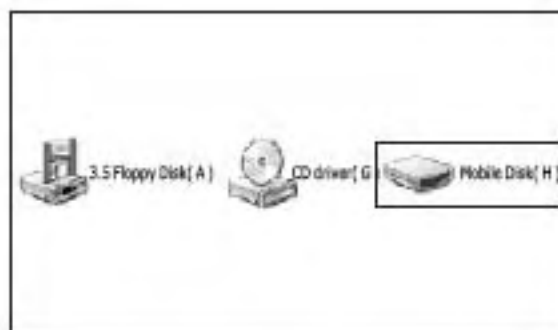
Insert Micro SD Card (Optional)

After the SD Card is inserted properly, the monitor will indicate “” icon; otherwise “” icon will appear.



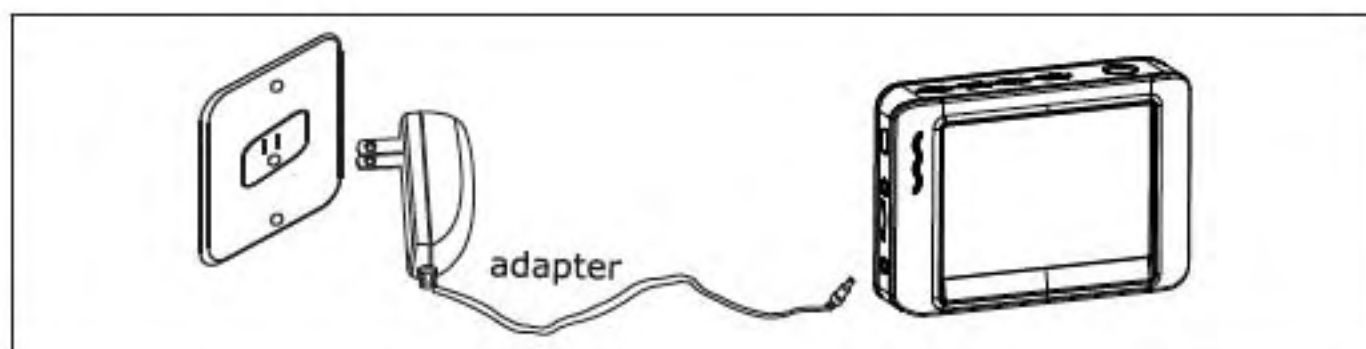
Connect USB Cable (Optional)

Use the USB cable to connect the monitor to a PC. The USB online icon appears on the PC. Open **My Computer**, and find the **Mobile Disk**. the video/picture files on SD card could be copied/cut/playback.



Connect Monitor Power

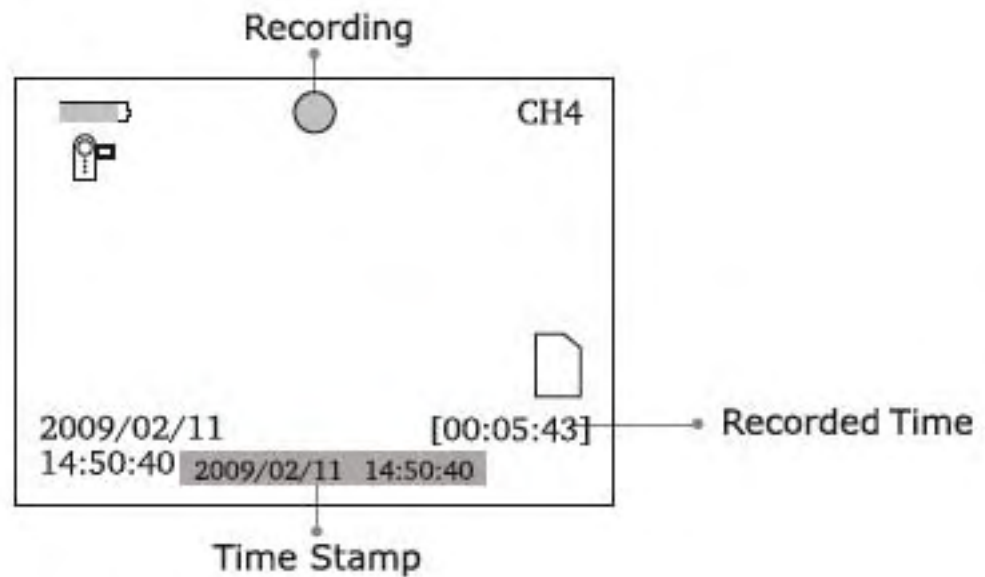
Connect the adapter to the monitor and plug the adapter into a 110v AC outlet. The power indicator will illuminate red or the battery capacity icon will indicate charging, and will turn off after a full charge.



Video Output

Insert the video cable into the VIDEO OUT socket of monitor. Insert the other end of the cable into the VIDEO IN jack of a TV or another monitor. The LCD Monitor will output a high quality video signal.

2. Press OK button to record:



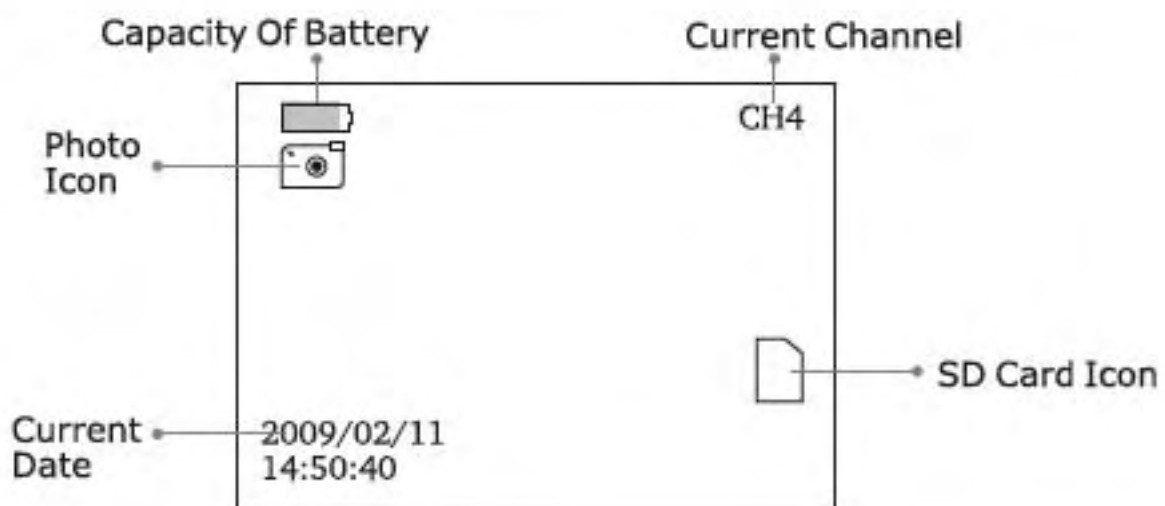
3. Press OK button again to stop recording.

Notice!

- * The Video will be automatically saved as a file every 30 minutes.
- * SD card is full when the SD card icon changes to “**F**” .

Take Photo

1. During operation, press **⬆** button to switch to photo mode:




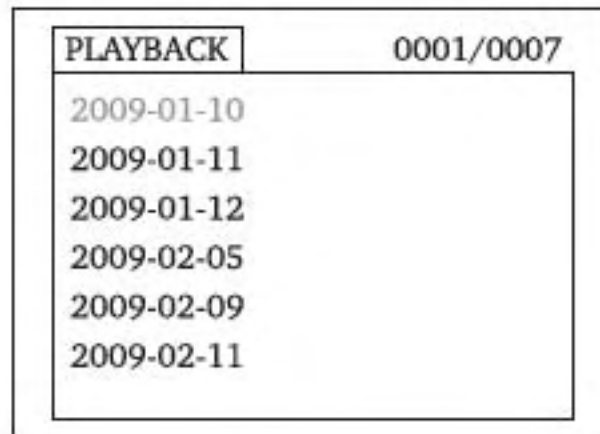
2. Press OK button to take photo.

Notice!

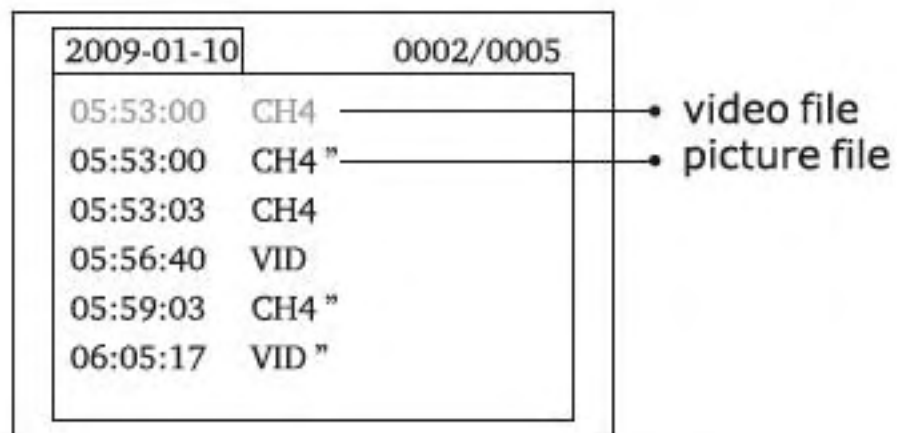
when the SD card icon changes to “**F**” the SD card is full

Play Video/Picture



1. During operation, press  button to display:

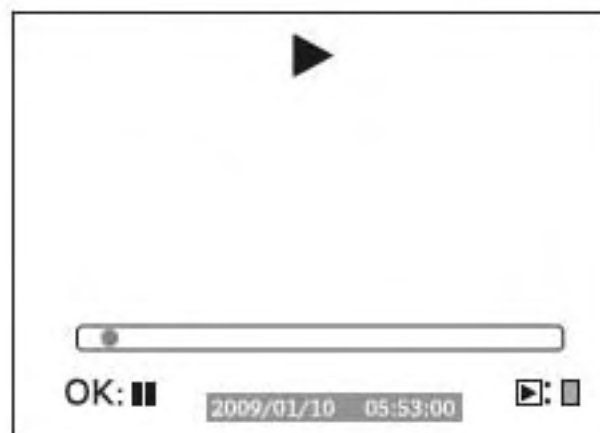


2. Press  or  button to select folder, then press OK button:



3. *For Video:*

Press  or  button to select video, then press OK button to play



Pause: press OK button in playing status to pause;
press again to resume;
Fast Forward: press ▲ button in playing status;
Fast Backward: press ▼ button in playing status;
Stop/Exit: press ≡ button.

For Picture:

Press ▲ or ▼ button to select picture, then press OK button to display, press OK button again to exit.

Delete Video/Picture

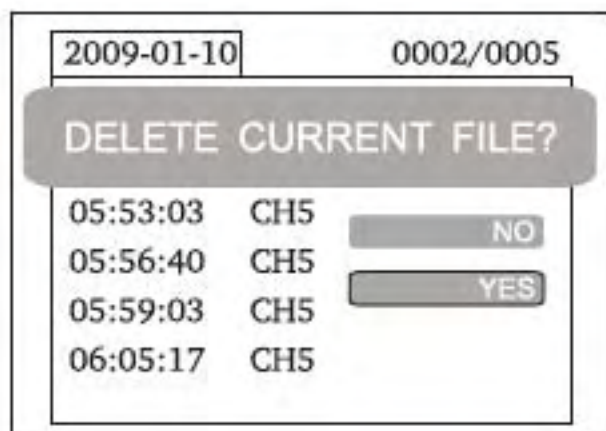
1. During operation, press ≡ button to display:

PLAYBACK	0001/0007
2009-01-10	
2009-01-11	
2009-01-12	
2009-02-05	
2009-02-09	
2009-02-11	

2. Press ▲ or ▼ button to select folder, then press OK button :

2009-01-10	0002/0005
05:53:00	CH4 "
05:53:00	CH4
05:53:03	CH4
05:56:40	VID
05:59:03	CH4 "
06:05:17	VID "

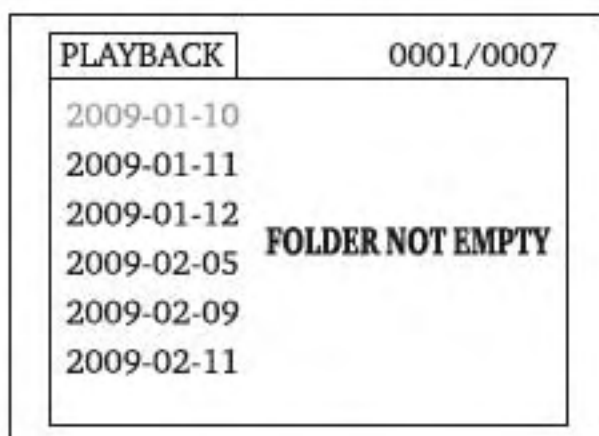
3. Press ▲ or ▼ button to select file, press and hold ≡ button for 2 seconds:



4. Press ▲ or ▼ button to select "YES", then press OK button to delete selected file; press "NO" to exit.

Delete Folder

To delete a folder, follow the same procedures as deleting a file. Make sure the folder is empty, otherwise it will not delete and a warning will appear.



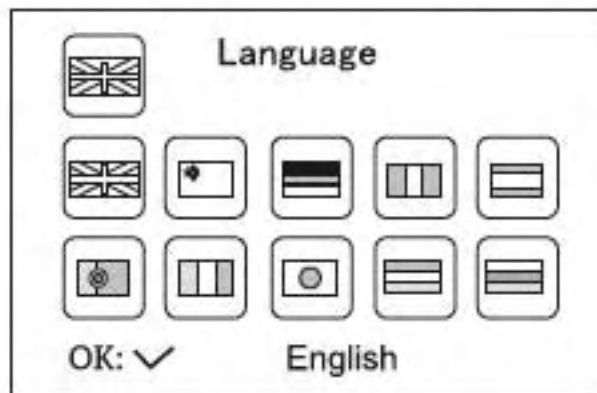
How To Enter The Setting Mode

During operation, press and hold ≡ button for about 1-2 seconds to enter into the setting interface:



Language Setting

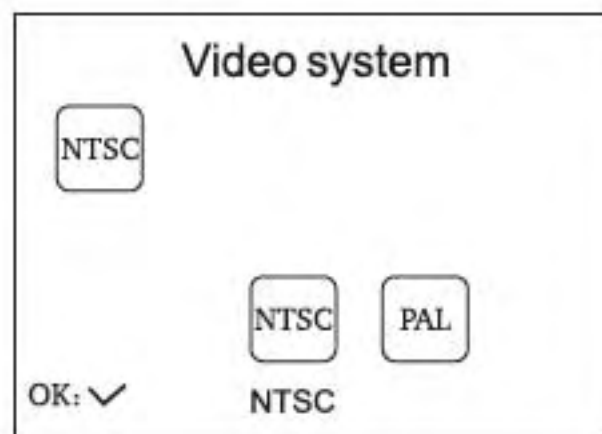
1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Language”, press the OK button:



3. Press ▲ or ▼ button to select a suitable language;
4. Press OK button to confirm and exit.

Video System Setting

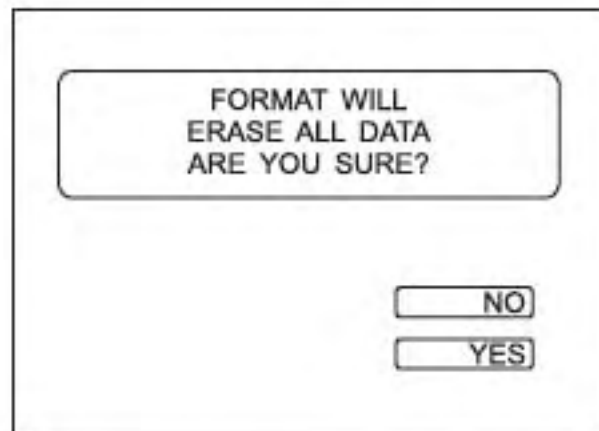
1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Video System”, press OK button:



3. Press ▲ or ▼ button to select right type, press OK button to confirm and exit.

Format

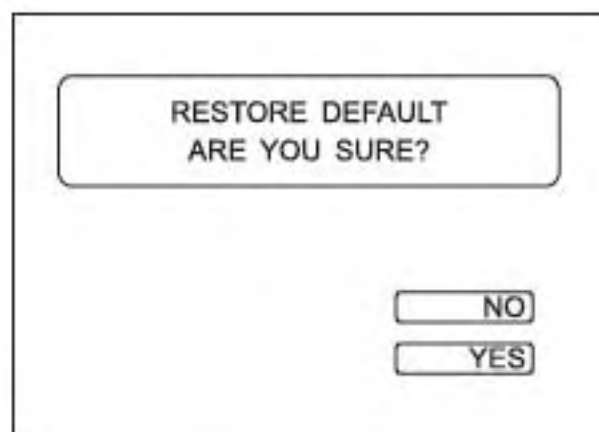
1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Format”, press OK button:



3. Press ▲ or ▼ button to select “YES”, then press OK button to erase all data. Press "NO" to exit.

Default Setup

1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Default Setup”, press OK button:



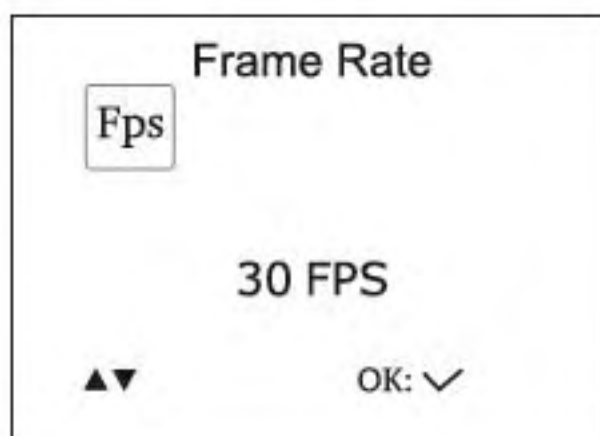
3. Press ▲ or ▼ button to select “YES”, then press OK button to restore default; Press "NO" to exit.

View Version Information

1. In the setting mode ,press ▲ or ▼ button to select “SYSTEM SETTING”, then press OK button to enter;
2. Press ▲ or ▼ button to select “Version”, press OK button to enter and view the version of product.

Frame Rate Setting

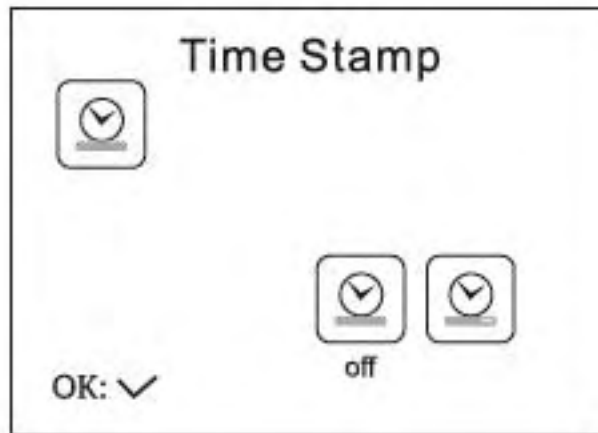
1. In the setting mode, press ▲ or ▼ button to select “RECORDER SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Frame Rate”, press OK button :



3. Press ▲ or ▼ button to select suitable frame rate;
4. Press OK button to confirm and exit.

Time Stamp Setting

1. In the setting mode, press ▲ or ▼ button to select “RECORDER SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Time Stamp”, press OK button :

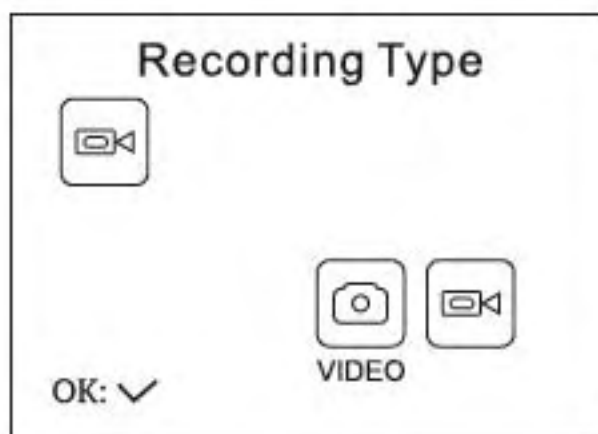


3. Press ▲ or ▼ button to select “Off”, “On”, press OK button to confirm and exit.

Recording Type

1. In the setting mode, press ▲ or ▼ button to select “RECORDER SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Recording Type”, press OK button:

Select
“VIDEO”
or
“STILL”

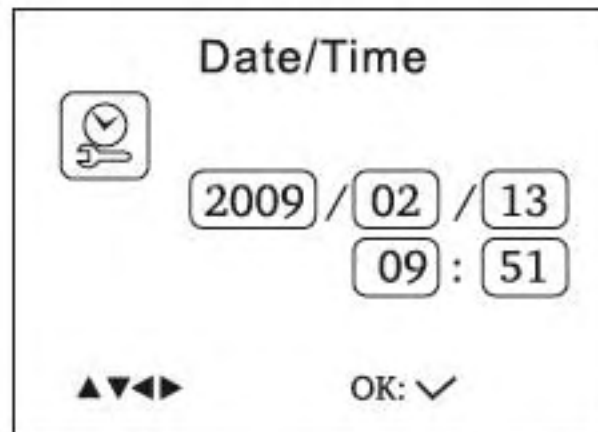


3. Press ▲ or ▼ button to select “STILL”, “VIDEO”, press OK button to confirm and exit.

Notice! when in “STILL” mode, you cannot record video

Date/Time Setting

1. In the setting mode, press ▲ or ▼ button to select “Date/Time”, press OK :



2. Press OK button to select Date or Time; press ▲ or ▼ button to modify; press ≡ button to confirm and exit.

EVENT PLAYBACK

1. In the setting mode, press ▲ or ▼ button to select “EVENT PLAYBACK”, press OK button to enter;
2. Other operation see “Play Video/Picture”, “Delete Video/Picture”, “Delete Folder” section.