

HDRDVR-405

HD Road Scenery Recorder

User Manual



Please carefully read the user manual before using this product.

Use this product correctly based on full understanding of the user manual.

No further notice will be informed if technical specification or appearance of this product changed.

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Preface

Thank you for purchasing the HD road scenery recorder.

This user manual provides instructions of how to use the product, and also provides you with information of the product in details such as settings and specifications. Please read this manual carefully and make sure you fully understand the content before using the product.

This high-tech mini HD digital camcorder is designed for the demand of the market. It has the most advanced functions in the industry created from multinational inventions and patents.

Quality Assurance and Testing Certificates

* ISO 9001:2000

* FCC

* CE

* SGS

Features

>Mini size mobile lens with 4 element fix focus

focusing range: 1.5m- ∞

macro mode: 0.2m

> 2 inch LTPS TFT LCD screen

> 4X digital zoom

> LED light for illumination

> Video format: MPGE-4 codec / stored in mov file format

> Mic and Speaker equipped,with playing function of Video

> High capacity Lithium-ion rechargeable battery

> Support SDHC card

> HDMI output port

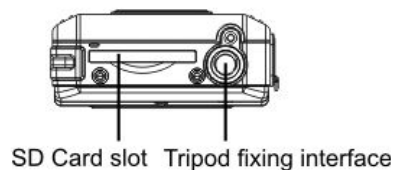
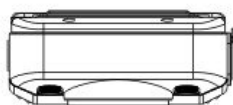
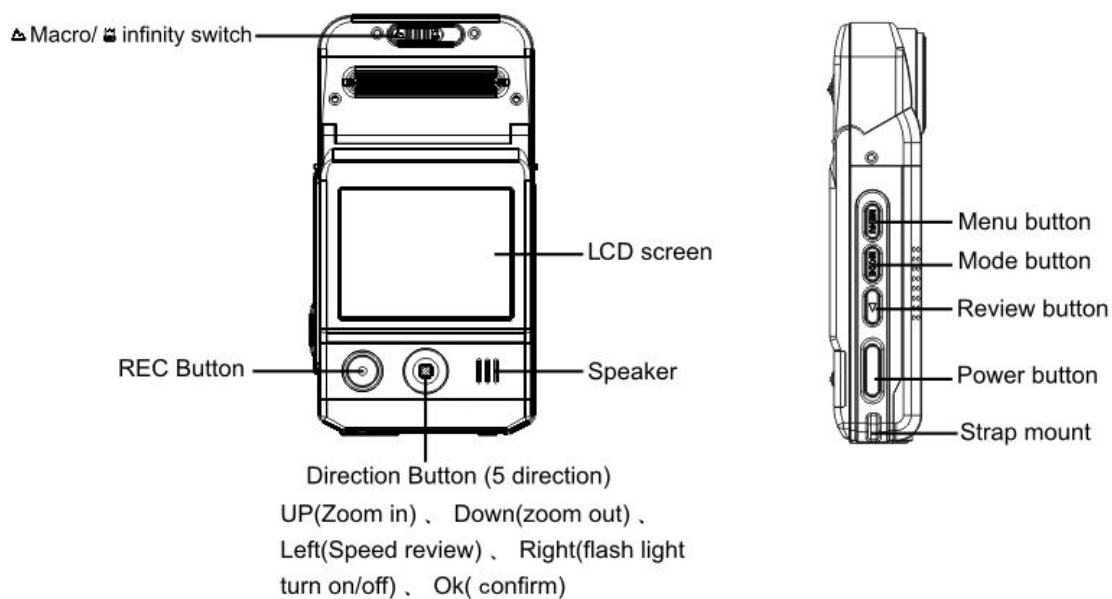
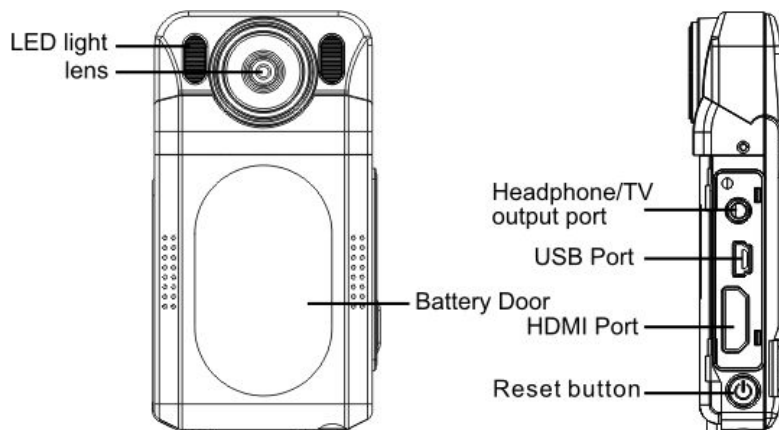
> Composite output port

Video Storage Capacity (for reference)

Storage card(G)	H.264 720P(A)	H.264 1080P(B)	848X480 P (WVGA)	2592 X 1944 (5M)	3264X2448 (8M)
4G	80min	40min	100min	2360 photos	1565 photos
2G	40min	20min	50min	1180 photos	753 photos
1G	20min	10min	25min	590 photos	386 photos

★File size and storage capacity might differ from one case to another due to the differences in the shooting subjects, brand of storage card and other factors.

Configuration



OPERATING INSTRUCTION

◆ Battery Installation

1. open battery door by pushing it down.
2. Insert battery according to the " + / - " marks printed on camera.
3. Please refer to the following diagrams for battery status information.



Full percentage



low percentage



critical percentage

4. To take out the battery slide the battery door open and lift the battery up from the bottom.

Charging the Battery

- 1) Using the charger: Connect one end of the USB cable to the charger and the end to the USB port of the camcorder. The charging will start when the camcorder is on.
- 2) Using PC: Connect the USB cable to the computer could also start charging the battery. While charging, the LCD screen will show "charging", and after the battery is fully charged, "charge complete" will show on the screen, and then the camcorder will turn off automatically.

◆ Installing Storage Card (SDHC card)

1. Insert the storage card into the card slot. Make sure it is in correct direction and the top surface (usually with a sticker) of the card is facing the same side as the camera lens. Push the card in until you feel a click, and then release the card. The card will be locked in position.
2. To remove the card, push the card in until you feel a click, and then release it. The card will be released and then pull it out.

Note:


1. Before using SD card, please check whether it is locked;
2. Please make sure SD card is oriented in the right direction. Inserting SD card in the wrong direction might cause damage to the HDDV and the SD card;
3. After the SD card has been inserted into the card slot, HDDV will automatically take this SD card as default storage card and all the data stored before the insert cannot be read until it is taken out
4. If the storage card is not compatible with the HDDV, the card might not be compatible with the HDDV, the card might not be read, in this case, take out the card and insert it again or just change it with another SD card.

◆ Installing the hand strap


The ring in the camcorder is designed for installing a hand strap or buckle.

◆ Turning on/off the HD Scenery Recorder and Setting Auto off


- 1). Press power button for 1 second to turn on/off.
- 2). To save battery power, auto off can be set in the "setting menu" display. If no operation is conducted during the set time period, the HD recorder will turn off automatically.

● Turn on the power and press "menu" to go to Setting mode. Press direction key upwards then rightwards to the setting menu . Press the direction key downwards to select "Auto off", press the key rightwards to set auto off time.

◆ Setting Date/Time and Time Stamp


1). Turn on the power and press "menu" to go to Setting mode. Press direction button upwards then rightwards to the setting menu . Press the direction button downwards to select "Date/Time" press the key rightwards to change the settings.




2). Under video mode, press "MENU" button to enter step up mode. press direction button upwards then rightwards to choose setting menu . Press the direction button downwards to select "stamp" to set recording date and time on or off.

◆ Video mode



1). HDDV automatically goes to video mode after it is turn on.

At this time, "HD" appears on the upper left corner of the screen.




2). Press shutter button to start recording. To stop recording, press shutter button again. During recording, timer and a red blinking "●" is showing on the screen. As soon as the recording stops, the blinking red circle turns back to .


3). Selection of the led light

Press the direction key rightwards to start or stop Auto Flash "A" (which can automatically compensate light according to lighting condition), or Fill "" (every time you take a picture, flash is used regardless of light conditions).


Remark: LED light function will automatic turn off when the battery is at critically low condition.

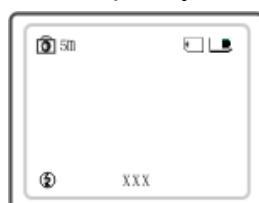
4). Using  /  switch

Choose  macro mode to shoot close-up items, the effective distance is 0.2

m. Shoot subjects from 1.5m to infinity by using  infinity mode.

◆Camera mode

1). Press power key to turn on the HD recorder and it will go to video mode automatically. Press "mode" key to switch to camera mode. The upper left corner of the screen will show " 8M" and the bottom of the screen will display the maximum photo capacity.




2). Align the HD recorder to the subject to be taken, using direction key upwards and downwards to adjust focus.

3). Press the shutter button to capture the image. The camera makes a sound. The sound signifies that the shooting is finished.

4). Self-timer


under camera mode, press " menu ", and then press the direction key to choose the "self-shoot " to set the timer.

 Tips: 1. Under any mode (Video, camera), press "mode" could change the mode "video" "camera" circularly.
2. Under video and camera mode, press direction key leftwards could review the video or photo just took.

◆Review mode

1). Press review key to enter single-picture review mode. Press direction key leftwards and rightwards to review pictures or videos.

2). Press direction key downwards to go into index review mode.

● If the displayed picture is tagged with "", it is a video. Pressing "ok" will play the video. Press "ok" again to pause. While playing video, you can press the direction key leftwards or rightwards to forward or backward playing. To exit playing mode, press "ok" to pause the playing video, and then press direction key leftwards or rightwards to select next file.

3) Truncation chart function

When you see "current picture" showing while reviewing video, press "ok" to pause the video and press shutter button to take a snapshot. Press "ok" again to resume video playing back.

3) Delete

While reviewing (reviewing pictures/video), press “menu” and chose “delete” and then "ok" to go to deleting display. Press the direction key rightwards to choose deleting the file. Press"ok" to confirm.

◆Setting mode

- 1) Regardless Of video/camera/review Mode,pressing"Menu"could Mode,pressing"Menu"could entre each correspondng setting Menu,(For detailed setting information,please refer to setting table).
- 2)At any menu mode,pressing direction key rightwards will enable user to go to menu setting options to choose desired setting,then press"ok" to confirm

File storage

◆USB Storage Mode

Plug the HD recorder into the PC USB port. Removable disks will show up in windows file explorer. Find the stored videos and pictures under “Removable hard disk/ DCIM/100MEDIA”. If the SDHC card has not been inserted Into video camera, only internal HDDV storage will show up. If SD card has been inserted into the camera, SDHC card will show up as a removable storage. With a SD card, data can be saved or transferred to Windows system and the files edited and played by using corresponding video software.



◆Connecting HD recorder to TV

- 1). Connecting the HD recorder to a HDTV with an HDMI cable to review pictures and videos.



Tip: No drive is needed to be installed. U disc can only be used when the video camera is on.

Functions of keys



















◆ Video/camera mode	
Power Button	Turning on or off HDDV
Shutter Button	Take Videos/Pause take videos/Take picture
Direction Button (Up)	1/2/3/4 Digital zoom
Direction Button (Down)	4/3/2/1 Digital zoom
Direction Button (Left)	Speedy switch to browse taken video and picture
Direction Button (Right)	Switching LED light: Auto/Fill/Off
Menu Button	Menu Selection
Mode Button	Mode Selection
Playback Button	Review taken videos and pictures
◆ Review Mode	
● Preview(single-picture)	
Power Button	Turn off HDDV
Direction Button (Down)	Index pictures
Direction Button (Left)	Last picture
Direction Button (Right)	Next picture
Ok Button	Playing video
Menu Button	Menu Selection
Mode Button	Mode Selection
Playback Button	Review taken videos and pictures
● Preview (Index pictures)	
Power Button	Turning off HDDV
Direction Button (Up)	Last line/Last page
Direction Button (Down)	Next line/Next page
Direction Button (Left)	Last picture/video
Direction Button (Right)	Next picture/video
Ok Button	Going into single file play mode
Menu Button	Menu selection
Mode Button	Mode selection
Playback Button	Review taken videos and pictures

Mode&Menu Setting





● Reviewing(Video/Audio)	
Power Button	Turning off video camera
Direction Button (Up)	Volume+(0-8)
Direction Button (Down)	Volume - (8-0)
Direction Button (Left)	Backward 2,4,8times
Direction Button (Right)	Forward 2,4,8times
Ok Button	Play/Pause(Regardless of backward or forward)
Menu Button	Going to review menu
Mode Button	Stop playing and go into mode selection
Playback Button	Review taken videos and pictures

● Reviewing (Pictures)	
Power Button	Turning off HDDV
Direction Button (Down)	Zoom out (index pictures)
Direction Button (Left)	Last picture
Direction Button (Right)	Next picture
OK Button	Going into Single picture play mode
Menu Button	Going to review menu
Mode Button	Stop playing and go into video mode
Playback Button	Review taken videos and pictures

✳ symbols / icons reference list.

	Taking videos		Auto Flash		Sunny
	Taking pictures		Fill Flash		Cloudy
	Play		Flash off		Tungsten
	System Setting		Picture size is 5M		Fluorescent
	Storage card		Picture size is 8M		High Definition
	Battery percentage		Picture size is 12M		WVGA

Mode&Menu Setting (Continues)

Mode	Menu	Setting	Note
 Taking Videos	Size	1920*1080/1440*1080/1280*720/848*480	
	EV	+0/-0.3/-0.7/-1/-1.3/-1.7/-2/+2.0/ +1.7/+1.3/+1/+0.7/0.3	
	White B	Auto/Sunny/Cloudy/Tungsten /Fluorescent	
	Contrast	Standard/Hard/Soft	
	Sharpness	Standard/Hard/Soft	
	Effect	Vivid/monochrome/negative /sepia/art/off	
	Duration	No/15min/30min/45min	
	Recycle	On/15min/30min/45min	
 pictures	Size	8M/5M	
	EV	+0/-0.3/-0.7/-1/-1.3/-1.7/-2/+2.0/ +1.7/+1.3/+1/+0.7/0.3	
	Quality	Fine/good/normal	
	White B	Auto/Sunny/Cloudy/ Tungsten Fluorescent	
	Contrast	Standard/Hard/Soft	
	Sharpness	Standard/Hard/Soft	
	Effect	Off/Art/Sepia/Negative/ Monochrome/Vivid	
	Selftimer	No/Yes	
	Burst	No/3pics/5pics/10pics	
 Review	Delete	No/Yes	
	Slide Show	No/1Second/3Second/5Second	
 System	Volume	0/1/2/3. 8	
	Language	English/ Chinese	
	Date	000 00 00	
	Clock	00:00	
	Format	Cancel/Yes	
	Sys.reset	No/Yes	
	Auto off	Off/1minute/3minute/5minute	
	Light freq	50HZ/Auto/60HZ	
	Stamp	Off/on	
	Version	V.0000 00 0000	

Product Specifications

Sensor	5M CMOS sensor
Lens	4 Elements fix focus lens, Focus from 1.5m infinity
Zoom	4X Digital Zoom
L Display	2.0" TFT LCD
Video Output	HDMI: CTS1.2 Compliant, Support 720P/1080I output mode, Composite: NTSC
Picture	Picture Format: JPEG 2592 X 1944 interpolation: 8M
Video	Format: MPEG-4/MOV HD=H.264 720P (30 Fps 6 Mbps) (A) H.264 1080P (30 Fps 12 Mbps) (B) WVGA: 848 X 480P (60 Fps 5 Mbps)
Audio	Mic and Speaker (Mono) Equipped
Storage	Internal: 32M External : SDHC card
Shutter Button	Electronic shutter
Shutter Speed	1/2 - 1/1000 second
White Balance	Auto/Sunny/Cloudy/Tungsten/Fluorescent
Flash Light	Electronic Auto Flash Light (LED), Optional flash on for illumination
Port	USB 2.0/HDMI/TV
Battery	3.7V 900mAh lithium-ion rechargeable
Size/Weight	Length 98.7 × Width 53.3 × Height 23 88.4g
Working Humidity/ Temperature	0°C ~ 40°C / 10% ~ 80%

Accessories

HDDV



HDDV Pouch



User manual



Hand Strap



Lithium-ion
Rechargeable
battery



* Optional Accessories

Charger



HDMI cable



USB Cable



TV Cable



Driver and Editing Software



Basic Troubleshooting

◆Cannot take pictures or videos ?

Make sure the storage card is not locked and has enough storage space left.

◆Images cannot be transferred to HDTV screen ?

Please make sure that HDMI cable is completely plugged into the HDMI ports.

◆Pictures and videos taken are not clear ?

Please check whether the lens is covered/blocked with dirt or small particles. Make sure the focus switch is set correctly according to the subject distance.

◆The flash LED does not turn on ?

Under video or camera mode,if the battery is low,the flash LED stops work.

Tips for operating

HDDV video camera is similar to computer. If HDDV video camera is not working, please operate as follows:

1. Take out battery, Re-insert the battery, Restart the video camera.
2. Press the reset button when HDDV in unusual circumstance to reopen The HDDV.
3. Please do not press the reset button when HDDV in the Normal condition, That might Obliterated data.