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User Manual

F880HD&F880LHD



DOD
™ Dream Of Digit-tech

Motion Detection
Recording
DIGITAL CAMERA

60
FPS

12.0 MEGA
PIXELS
DIGITAL
ZOOM
4x

32GB
GB HB

HDMI
HIGH DEFINITION

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Preface

Thank you for purchasing F880HD/F880LHD, high definition digital camcorder. The Products appearance is mini with elegant impression. The unique swing type lens unitized design coordinates the multi-purpose uses, realizes the wide angle photography.

This user manual provides full instructions for the usage of the products. At the same time, gives you the details of the products, such as operation, warning installation, and product specification. Please read this manual carefully and fully Understand before using the Product, keep this manual in the safe place. we hope our product could meet you standard. and wish to serve you for long-term.

Assurance

This product has passed ISO 9001:2000 international quality control system authentication and achieve all the standards set by the authorities of FCC, CE&SGS with certificates to assure safety for our great customers.

Summary

This high-tech mini HD digital camcorder is designed for market demand. This product has the most leading functions for the industry such as HD digital video, digital photo, USB data transfer, USB charger. It has many inventions and the technical monopoly.

Wide range of applications, memorize every wonderful moment . . .



Features

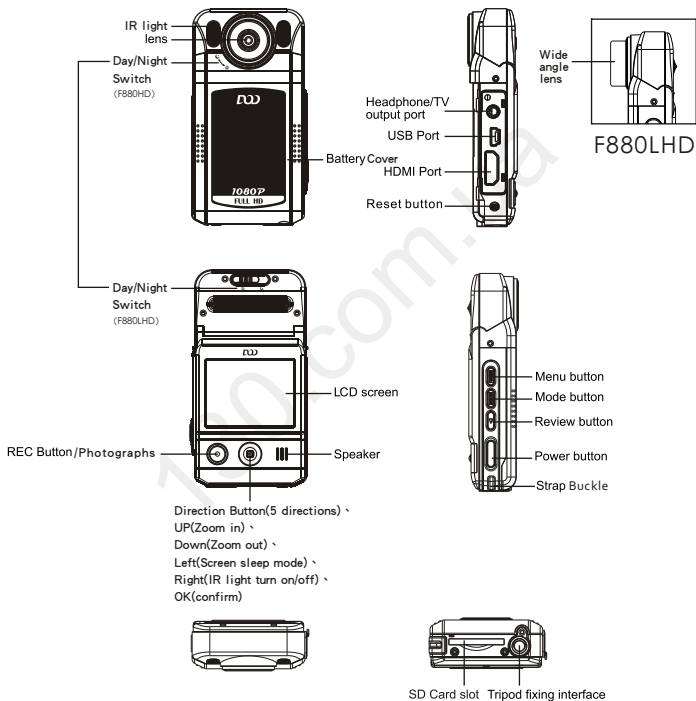
- Mini size mobile lens with combination design cooperates with multi-function to use, helping you screen HD videos or photo easily in every situations. Catch the high definition pictures at will, and show vivid again.
- **2** inch LTPS TFT LCD.
- **1/2** inch High definition with photosensitive original part.
- **4X** Several focal variations.
- Infrared Night Vision.
- Video format : MPEG-4 AVC / H.264
- Mic and Speaker equipped.
- High capacity Lithium-ion rechargeable battery.
- Support SDHC card.
- HDMI Port : Suitable for high definition TV.
- Motion detection recording.
- Shutdown Delay function
- Sound recording On/Off
- Loop video recording functions.
- Set video recording time freely.
- Set 180-degree reverse shot lens.
- Can be set to automatically recording when the car engine starts.
- Screen sleeping mode.
- Auto-focus function(F880HD)
- Wide vision angle 120 degree(F880LHD)

Video Storage Capacity (for reference)

	Memory card(Gbyte)			
	1G	2G	4G	8G
1920X1080 (FPS30)	10min	20min	40min	80min
1440X1080 (FPS30)	16min	32min	64min	128min
1280X720 (FPS30)	20min	45min	90min	180min
848X480 (FPS60)	21min	42min	84min	168min
848X480 (FPS30)	32min	64min	128min	256min
640X480 (FPS30)	66min	133min	266min	533min
320X240 (FPS120)	47min	94min	188min	376min
320X240 (FPS30)	188min	376min	752min	1504min
5 M	586photos	1148photos	2386photos	3996photos
8 M	386photos	753photos	1565photos	3193photos
12 M	300photos	600photos	1200photos	2400photos

- File size and storage capacity might differ from one model to others due to the differences existing in different models, brand of memory card and other settings.

Configuration



Instruction

• Inserting and Taking out battery

1. Open battery cover by pushing it down.
2. Insert battery according to the "+ -" marks to the right positions.
3. Please refer to the following diagrams for battery status.



Full percentage



low percentage

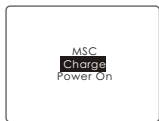


critical percentage

4. Battery cover must be open before take out the battery.

• Charging the Battery

1. Please turn off the device before charge.
2. Connect to PC or charger with short USB cable, the screen will display as below, choose "Charge", start to charge.
3. Screen will display "Battery Full" when charge is finished.



• Inserting & Taking out Memory Card(SDHC Card)

1. Carefully insert the memory card into card slot until the card is tightly fixed.
2. To remove the card, Memory the card softly, and then it will bounce out.

NOTE :

1. Before using SD card, Please check if it is locked;
2. Please make sure SD card is insert to the right direction.
Insert to direction it might cause damage to F880HD/F880LHD and SD card.
3. After SD card has been insert into the card slot, F880HD/ F880LHD will automatically take SD card as default storage card, therefore all data stored before insert cannot be read until it has taken out.
4. If the memory card is not compatible with F880HD/F880LHD , the card might not be read. In this case, take out the card and insert it again or just change to another SD card.

• Installing the Hanging Strap

The ring in the camcorder is designed for hanging strap or buckle. Available for fashion style and convenience to use.

• Camcorder Basic Operation

POWER :

Press POWER button for about 1 second to turn on/off the device.

MENU :

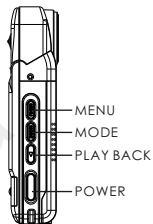
Press MENU button will show up the relative menu.

MODE :

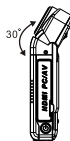
Press MODE button to switch video/still image recording mode.

Playback :

Press Playback button to watch videos and pictures.



(Figure 1)



(Figure 2)

Lens rotating sample

Car Recorder operation guide

• Step1 :

Set the "USB IN" to "Yes"

(This will active the auto recording function after car engine start)

Turn on the device ➡ press the mode button and change to recording mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "USB IN" ➡ press right button to "Yes" ➡ press menu button to quit

• Step2 :

Set loop recording to 1 minute mode

(For details please take 15 page as reference: loop recording function setting)

Turn on the device ➡ press the mode button and change to recording mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "Recycle record" ➡ press right button to "1 minute" ➡ press menu button to quit

• Step3 :

Set Motion Detection off

(For details please take 14 page as reference: Motion Detection function setting)

Turn on the device ➡ press the mode button and change to recording mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "Motion Detect" ➡ press right button to "off" ➡ press menu button to quit

• Step4 : (Skippable)

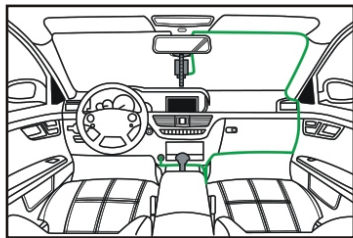
Turn IR light "ON" when driving at night,

(Please turn to 12 page for details, IR Light switch)

Turn on the device ➡ Press MODE button to change to recording mode ➡ Press right button to choose "⚡" ➡ Adjust the Day/Night switch ➡ Done

• Step5 :


Please follow the picture to install long USB cable , car bracket and device in your car.

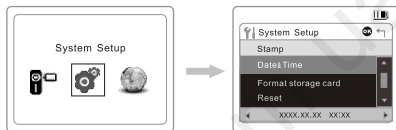



Installing finished picture

Functions and modes introduction


• Setting Date and Time

1. Turn on the device, press MENU button in any mode to enter the setting mode, choose System Setup"  ", press down button to choose "Date & Time", then press right button to adjust date/time, press OK button, date/ time setting is done.





2. In video recording or photo shot mode, press MENU button to enter setting mode, choose "System Setup" , press down button to choose "Stamp" and set to "ON", the videos and pictures will display time stamp.





• Video mode

1. F880HD/F880LHD automatically goes to video mode after it is turn on. At this time "  HD" appears upper left corner of the screen.



2. Press record button to start recording, in order to stop recording, press record button again. During recording, timer and "  " symbol shown on the screen and it will flash for timing and recording. As soon as the recording stops, the flash red circle turns back to the "  " .

3.IR Light switch

Press IR light quick switch button(right button) in recording mode to switch "IR Light Off" , "Auto IR Light Detection"  (According to the environment light to turn on/off IR light) or turn "IR light on forcibly" . When IR light switch on, change the Day/Night switch to night mode , meanwhile the scene in the range of IR light will be displayed as a clear black & white image.

Attention: When the battery icon shows only one grid, the IR light will turn off automatically.

• AF auto focus function(F880HD)

When the device is standby, press the the OK button, it can switch to AF/MF(auto focus/manual focus)mode.

Fig. will show in the lower right corner. (as fig.)

AF: When switch to AF mode, it will depend on the subject and focus auto matically to the clearest image.

AF is fit for taking a close-up.

MF: When switch to MF mode, the focus is fixed.

MF is fit for taking a long shot.

• Photograph mode

1. Press power key to turn on F880HD/F880LHD and it will go to video mode automatically, Press "mode" switch to the Photograph mode, The upper left corner of the screen will show "8M" and the button of the screen will display the maximum photo capacity.



(Figure 1)



(Figure 2)

2. Alignment by F880HD/F880LHD to the subject which to be taken, using direction key upwards and downwards in order to adjust focus.
3. While pressing record button, camera makes a sound, the sound signifies that the recording is finished.
4. Self-timer

Under camera mode, press "menu", then press direction key downwards to select "self-shoot", press rightwards to choose "self-shoot" time in order to take the picture.

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 current photos.

• Review mode

1. Turn on F880HD/F880LHD to Video mode, Press review key to enter into single-picture review mode, Press direction key leftwards and rightwards to review pictures or videos.
 2. Press direction key downwards to index review mode. User can press direction key to review taken pictures or videos. Press "ok" to enter single-picture review mode, and Press "mode" to exit.
- If displayed picture is tagged with " ► ", then it symbolize a video information, Pressing "ok" will play the video, Pressing "ok" again it will become to pause. While playing video, you can use direction key left or right to forward or backward playing, To exist playing

mode, you have to press "ok" to pause the playing video first, and then press direction key left or right to go to the next file.

3. Truncation chart function

When you see the "current picture" while reviewing video, then press "ok" to pause the video then press record button, until the sound is coming out. This "current picture" will be recorded to be a photo in your storage file, then press "ok" for continuing review video.

4. Delete

While reviewing (reviewing pictures/video), press "menu", then delete key will appear on the screen, press "ok" to delete display, and press the direction key right to choose deleting file, then press "ok" to confirm.

5. Slide Review

During review condition (play/record), you may select "menu" key, then press downwards button to set for "slide review". Then press "ok" to confirm.

• **Motion detection setting :**

Motion detection function will detect the relative displacement automatically, the device will be turned on if the object moving distance over the setting value, it will be recording for 30 seconds each time and keep detecting after recording.

Turn on the device ➡ press the mode button and change to recording Mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "Motion Detect" ➡ press right button to "off" ➡ press menu to quit.

Tips : 1. Please turn off this function when use as a car recorder.

2. When motion detection on and the device is recording, the recording must be stopped first then the operation will be available, please take page 25 as reference to turn off motion detection.

• Recycle record setting :

Set "1 minute" will make device to create a file automatically after recording for 1 minute, "15 minutes" as after recording 15 minutes; when loop recording was active, the device will reserve a part of storage for loop recording function automatically, the reserve storage will be increased as the longer loop recording time setting.

Turn on the device ➡ press the mode button and change to recording Mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "Recycle record" ➡ press right button to "1 minute" ➡ press menu to quit.

• Video flip :

To display the video reverser for 180 degree when the device was installed up side down.

Turn on the device ➡ press the mode button and change to recording mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "Video flip" ➡ press right button to "Yes" ➡ press menu to quit.

• Duration :

To set the device will back to standby mode after 15 minutes recording.

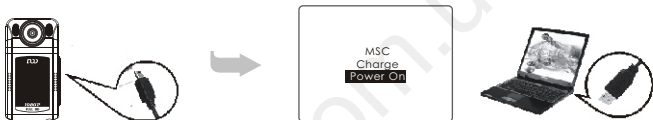
Turn on the device ➡ press the mode button and change to recording Mode ➡ press "menu" ➡ Choose "Image Param" ➡ press down button to "Duration" ➡ press right button to "Off" ➡ press menu to quit.

Tips : Please turn off this function when use as a car recorder.

• **Recording while powered mode**

After connect the device and power supply with USB cable, the screen will display as below, choose "Power ON", the device can be used as usual, using the external power supply/charge.

Attention: The device will turn off when the USB cable disconnected in any situation.



• **Screen sleep mode**

In the photography or camera video capture mode, press left key, you can enter into the screen sleep mode, press Left key once again reverted to the original mode.

• USB backup Mode

With USB cable connected to the machine and computer, this time the screen appears as following : select "MSC", open the desktop "My Computer", there are two removable disks (one is internal memory, the other one is the SD memory card) : Under the "Removable Disk / DCIM/100MEDIA" path to find the stored movies. If you do not insert the SD card, internal memory corresponding to as a removable disk..



• Connecting F880HD/F880LHD to TV

- 1.Connecting F880HD/F880LHD to HDTV with an HDMI cable to review pictures and videos.
- 2.Connecting F880HD/F880LHD to television with TV cable to review pictures and video.

Tips:

No drive is needed to be installed. Removable disk can be used only when the video camera is on .

Function keys

Video/camera mode

Power Button	Turn on or off F880HD/F880LHD
Shutter Button	video recording / pause / take picture
Direction Button(Up)	1 / 2 / 3 / 4 Digital zoom
Direction Button(Down)	4 / 3 / 2 / 1 Digital zoom
Direction Button(Left)	Quick switch screen on/off
Direction Button(Right)	Transformation for IR LIGHT : Auto / Compulsion / Off
Menu Button	Menu option
Mode Button	Mode option
Playback Button	Pictures and video review

Review Mode ●

Preview Mode(single-picture)

Power Button	Turn off F880HD/F880LHD
Direction Button(Down)	Index graphical representation
Direction Button(Left)	Last page
Direction Button(Right)	Next page
Ok Button	video playing
Menu Button	Menu Option
Mode Button	Mode Option
Play back Button	Review pictures and video informations

Preview(index graphical representation)

Power button	Turning off F880HD/F880LHD
Direction Button(Up)	Previous line / Last page
Direction Button(Down)	Next line / Next page
Direction Button(Left)	Last picture / video
Direction Button(Right)	Next picture / video
Ok Button	Enters the document broadcast pattern
Menu Button	Menu option
Mode Button	Mode option
Play back Button	Review pictures and video informations

Mode & Menu Setting
























Reviewing(Video) ●

Power button	Turning off video camera
Direction Button(Up)	Volume+(0-8)
Direction Button(Down)	Volume-(8-0)
Direction Button(Left)	Backward 2,4,8 times
Direction Button(Right)	Forward 2,4,8 times
OK Button	Play/Pause(no matter forward/backward)
Menu Button	Go to review menu
Mode Button	Stop playing and going into video mode
Play back Button	Review pictures and video informations

Reviewing(Pictures) ●

Power button	Turning off F880HD/F880LHD
Direction Button(Down)	Zoom out(index pictures)
Direction Button(Left)	Last picture
Direction Button(Right)	Next picture
OK button	Go into Single picture play mode
Menu Button	Go to review menu
Mode Button	Stop playing and go into video mode
Play back Button	Review pictures and video informations

- While using this product, you will find a lot of symbols and icons. In order to enable you to understand this product, please refer to the following table

	Video recording		Auto IR Light Detection		Sunny
	Photography		IR light on forcibly		Cloudy
	Play		IR Light Off		Tungsten
	Fluorescent		Memory Card		High Definition
	Picture size is 5M		Picture size is 8M		Picture size is 12M
	Battery percentage		WVGA		QVGA
	VGA		Burst		Self timer
	Sound recording on		Sound recording off		

Mode	Menu	Setting
Video Recording	Size	1920*1080/1440*1080/1280*720/848*480
	EV	+0/-0.3/-0.7/-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/15mins/10mins/1min
	USB IN	No, Yes (No: Connect USB, it will get into the USB menu settings, Yes: after connect USB, it will get into USB menu setting quickly and then it will automatically start recording after five seconds.
	Video FLIP	No, Yes
	MOTION DET	ON/OFF
	MIC	ON/OFF
	Shutdown Delay	Power OFF/NO/10 sec/5min/10min
pictures	Size	12M/8M/5M
	EV	+0/-0.3/-0.7/-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/日本語/繁體中文/简体中文
	Date	Y/M/D
	Clock	Y/M/D/T
	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	

Specifications

Sensor	5Mega pixels CMOS
Wide Angle Lens	90°~120°
IR Light quantity	4PCS
IR Light range	3M~5M
Display	2.0"LTFS TFTLCD
Video output	HDMI : CTS1.2 Compliant, Support 1080i/720p output mode, Composite : NTSC/PAL
Still Image	Still image(jpeg)Resolution : 4000X3000 Maximum output picture element : 5M , 8M , 12M
Recording format	mov
Recording resolution	1920X1080 (30fps) 1440X1080 (30fps) 1280X720 (30fps) 848X480 (60fps)
Video Codec	H. 264
Zoom	4x Digital Zoom
Recording media	External: SDHC/MMC Card (Upto 32G SDHC Card)
Audio	Mic and Speaker(Mono) Equipped
Shutter button	Electronic shutter
Shutter speed	1/2 - 1/1000 second
White Balance	Auto/Sunny/Cloudy/Tungsten/Fluorescent
IR Led Light	Auto/On/Off
Port	USB2.0/HDMI/TV
Battery	3.7V 900mAh Rechargeable Lithium-ion Battery
USB	High Speed USB 2.0
Size/Weight	98.2(L)X53(W)X22.5(H)mm Weight : 88g
Working humidity /Temperature	10%~80%/ -10°c~60°c

Accessories Contained

Notice: Please kindly check the accessories according to the above diagram to avoid any unnecessary loss.

• Optional Accessories



F880HD
F880LHD



Pouch



User manual



Hanging
Strap



Lithium-ion
Rechargeable
battery



Charger



HDMI cable



USB Cable



USB cable
(long)



Clip



Bracket



Vehicle power
charger



SD Card
(Optional)



TV Cable
(Optional)

Troubleshooting

- **Cannot take pictures, videos and voice recording?**

Change resolution, image quality, frame frequency; change for a memory card with enough space; check whether if the memory card is locked or not; delete part of files stored in the card.

- **Images cannot be transferred to HDTV screen?**

Please make sure that the HDMI cable is completely plugged into TV'S HDMI port. Please use the HDMI cable comes along with the F880HD/F880LHD.

- **Pictures and videos taken are not clear?**

Please check if lens is covered with any dirty. If so, clean the lens before using it. Or check the focus zone if is Correct.

- **The IR light cannot light on?**

Under video or camera mode, if the battery is low, the IR light cannot work.

- **Why the device can't be stop and can't be operated with any button?**

Please turn off the motion detection function as below:

Let the screen be still (cover the lens with hand or cloth), press record button to stop record, then press MENU button to enter recording setting, set the motion detection to "OFF".

Tips for operating F880HD/F880LHD video camera is similar to computer. If F880HD/F880LHD video camera is not working, please operate as follow:

1. Take out battery, Re-insert the battery, Restart the video camera.
2. Press the reset button when F880HD/F880LHD is unusual.
3. Please do not press the reset button while F880HD/F880LHD is in the normal condition, data might get lost.



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