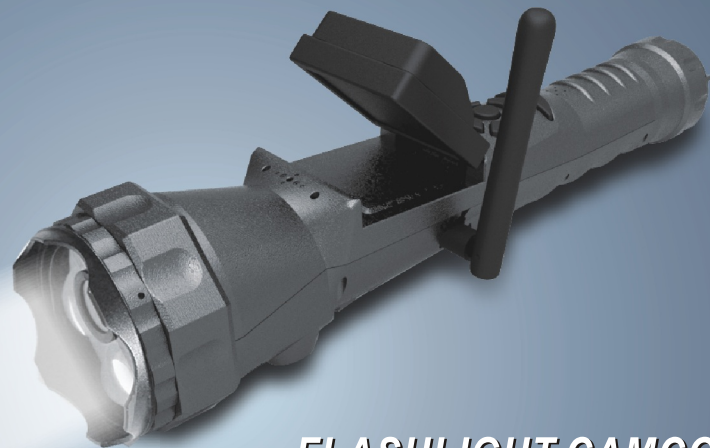




This instruction is subjected to change without notice.

Patent No.:201130129589.2



FLASHLIGHT CAMCORDER
User manual

Thank you for choosing our Flashlight CamCorder
Before using, please read the instruction carefully



Dangerous

Any neglect to the content shown may cause death or serious harm

1. Do not attempt to disassemble the camcorder, disassemble the machine by Non-professional staff that may lead to mechanical failures, and loss of warranty rights.
2. Do not use the camcorder near flammable gases.
3. Any liquid or objects enter the camcorder inside, please turn off the power as soon as possible and contact suppliers or professional maintenance.
4. Prohibited metal or combustible objects through the connection point (for example: card slot or power jack) insert the camcorder.



Warning

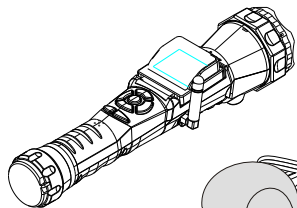
Any neglect to the content shown may cause serious harm

1. Placed away this product and accessories from children or animals to avoid accidents.
2. Do not place any cover on the camcorder, or this may increase its temperature.
3. Please use the battery charger supplied.
4. Do not use alcohol, polishing powder, detergents, gasoline, thinner, wax, petroleum products or hot water cleaning the lens. These substances can cause changes in shape or color.
5. Do not directly touch the lens, fingerprints will cause the image blurred and the lens can not focus.

Accessories

Before using the camcorder, please check all accessories are intact and complete.

Standard Accessory



Flashlight camcorder



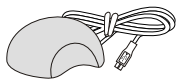
User Manual



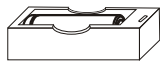
8G Micro SD Card



AV Cable



Power Adaptor



Charger

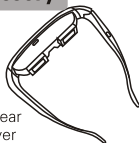


Battery



USB Cable

Optional Accessory



Eyewear receiver



Antenna



7" LCD receiver

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1. Summarize

1.1 Feature

With Sony HD CCD camera, the flashlight camcorder can offer sharp image in day time

With 1 pc high light white led, easy to find object within 50m at night

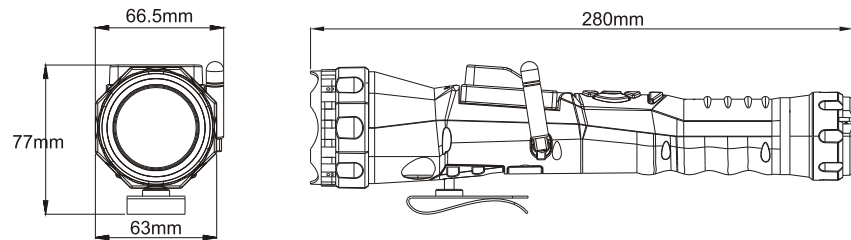
With 1 pc high power IR led, easy to search object within 50m covert at night

Support photo, video, audio and used as a flashlight

Support data output to PC and TV

Support 2.4G wi-Fi transfer

Battery can work around 10 hours continuously.




1.2 Technical Specifications

Video Format	AVI (option: 30f/s, 15f/s)
Image Format	JPEG
Image Size	720*480、 640*480
TV system	PAL、 NTSC
Audio in	Microphone Build-in
Audio out	Speaker $\phi = 13\text{mm}$ (8 Ω)
AV out connecter	$\phi = 2.5\text{mm}$
USB	USB 2.0
Lens	f= 8mm
Image Sence	1/3 inch SONY CCD 600TVL
IR Light	30-50m 3W
LCD	2.0 inch; 320x240; brightness: 100cd/m ² ; contrast: 300
White light	30-50m 3W
Memory Card	Micro SD card 8G (max:16GB)
Wi-Fi	2.4G 7inch TFT LCD (option)
Battery	Re-chargeable Li-battery, 3.7V 4000mAH
Operation Temperature	-10~45°C
Power Consumption	4W
Size	$\phi 67 \times 280\text{mm}$
Weight	482g (only for the flashlight)

1.3 Part name


OSD Menu

 : Photograph/Up button

 : IR light/Left/Return

OK : OK/Menu button


 : White light/Right button/Return

 : Wi-Fi/Down button

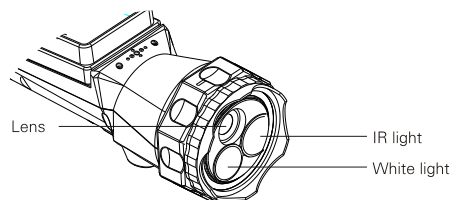
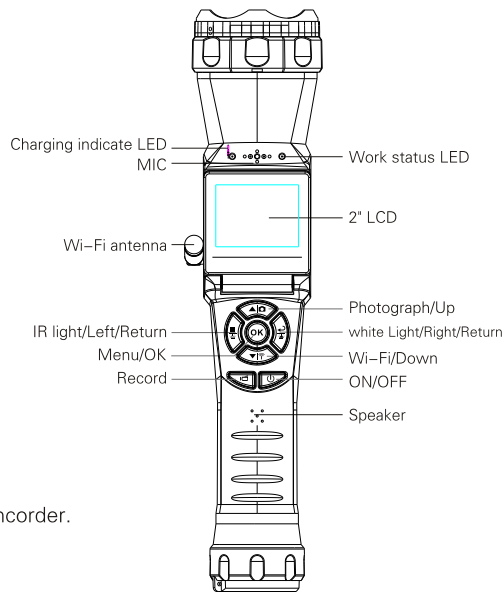
 : Record button

 : Turn On/Off

Turn on & turn off

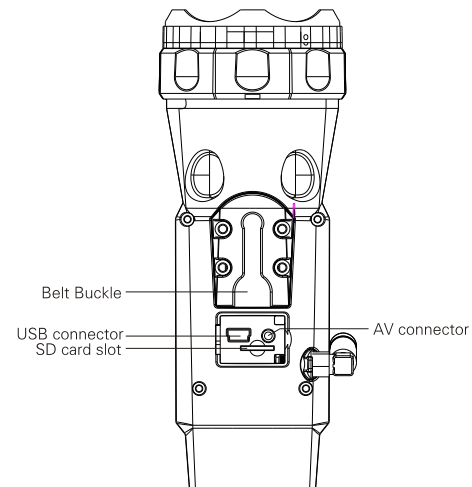
Press  three seconds to turn on / off the camcorder.

Press  momentarily will turn off/on LCD.



1.4 States of LED indicator

Recording Status	Green, Flashing
LCD Off	Red
Connecting to PC	Green



1.5 Battery

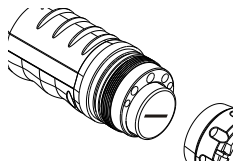
Put battery into camcorder with correct polarity as following picture.

Charging battery:

1. By charger: the input voltage of battery charger is AC100–240v, 50/60Hz (around 8 hours)
By power adaptor: use USB cable connect camcorder with adaptor(around 5 hours)
2. Insert battery into the charger or camcorder in the right polarity direction, when charging, the indicated led turn red; then turn green when fully charged.

Note:

- Before using the camcorder, please insure the battery fully charged.
- If long time won't use the camcorder, please remove the battery in case of leakage current
- It is normal the camcorder become hot after working long time.
- Battery work temperature: -10°C and 45°C .
- Don't open or repair any parts of charger to avoid electric shock.
- Charger or adaptor should be store in dry, ventilated environment.
Moving charge from lower temperature to higher temperature, water will come into being its inside or outside, that may cause fault, fire, electric shock.
- Don't cutting out the positive and negative of charger by metal object.
- Don't use fault battery in case of any accident



1.6 Micro SD card

Installing:

1. Press power button three seconds to turn off/on the camcorder. Remove the rear cover.
2. Insert the SD Card : following the below diagram, make sure the direction is right.
3. Press the Micro SD Card it will pop up, then pull the Micro SD Card out.

Note: insert or remove the Micro SD card in stand-by mode, the camcorder will turn off.



Using instructions

- Format the Micro SD card under the following conditions:
 1. New Micro SD card used for the first time.
 2. The camera does not recognize data.
 3. Delete the stored image taken by other camcorder.
- Turning off the camcorder before insert or remove the memory card.
- Do not store the memory card in strong electromagnetic or extreme temperature environment.
- Memory card data may be damaged under the following conditions:
 1. No proper use the memory card.
 2. When camcorder is working, power interrupt or remove the memory card.

2. Recording & photograph

2.1 Button Function

Record/Return/Right button

In stand-by mode, press  to video. A red  appear on LCD. On the below display the date and on the right top display the length of the recording time.

Press the  one more time to stop video, video files is stored in the Micro Sd card.

Photograph / Up button

In the stand-by mode, press  to take picture, A red  appear on the LCD. Photos are stored in Micro SD card automatically.

IR Light / Left button

Press the left key to switch gears among infrared lamp in the standby mode. The gears are following: strong infrared light, medium infrared light, weak infrared light and closed infrared light. You can take photos or videos when the lamp is open. Press the left key to return to the list of files in the state of playing back the videos or photos.





White light/ Right button













Press the left key in the standby mode and open the white light, and then press the left key to switch gears among white light. The gears are following: strong white light, medium white light, weak white light and closed white light. You can take photos or videos when the white light is open. Press the left key to return to the list of files in the state of playing back the videos or photos.

Wi-Fi / Down button

In stand-by mode, press  turn on/ off wi-fi function

2.2 LCD icon description

Name	Icons	Description
Recording mode		Red icon in recording mode
Photo mode		Green icon in photo mode
Battery status		Full, lower, no power
Recording length	00:16:19	Continued time of recording
Date/time	2011-04-27	Date and time of photo
Others		Digital zoom/ IR or white light/ Wi-Fi

Menu icon	Main menu	Submenu icon	Setting function
	Digital zoom		Zoom in and Zoom out
	Video		Video mode (30F/15F) ; Play video; Delete video; Encrypt video
	Photo		Photo mode(720X480); Review photo; Delete photo; encrypt photo
	Memory Card		Delete; lock; Format
	LCD Setup		LCD brightness; Color; Date/time mode
	System Setup		Clock/date; Language , Timer power off, Volume; Recording time ,TV Standard; Product Info; Updated

3. Main Function

Operation:

In stand-by mode, press **OK** to enter the main menu
press **▲|📷|▼|📶** to move cursor, press **OK** to confirm.

3.1 Digital zoom

In digital zoom page, Press **▲|📷|▼|📶** zoom in/zoom out. Press **OK** to confirm.

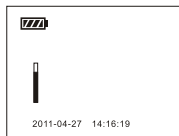
3.2 Video

Set video mode: Video page as per picture 3-2, the default mode is 30FPS.
15FPS is for option.

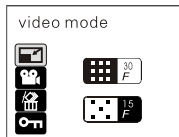
Play video: In video menu, choose "Play video" enter video list. Press **OK** to confirm choice and play. After finishing playing, it will return video list automatically. During playing, press **OK** to pause or **⏮** to return video list. As per picture 3-3.

Delete video: choose "Delete video", press **OK** enter video list. Choose the file and press **OK**, opening a popup menu, as per picture 3-5.
Select "Yes" or "No" then press **OK** to confirm.

Note: Locked files can be deleted after unlocked.



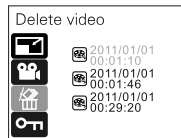
3-1 Digital zoom



3-2 video mode



3-3 Play video



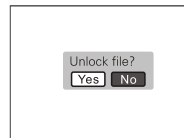
3-4



3-5



3-6

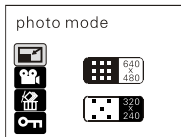


3-7

Protect video: choose "Protect video". Press **OK** to enter file list. choose the file, as per picture 3-6.
Press **OK** to lock or unlock the file. If chose file is locked, a popup menu will enquire whether to unlock the file, as per picture 3-7.

3.3 Photo

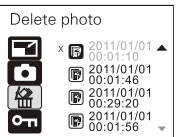
Set photo mode: photo page as per picture 3-8, the default mode is 720x480, 640x480 is for option.



3-8



3-9



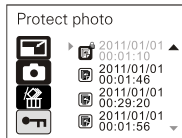
3-10

Review photo: In photo menu, choose "review photo" enter video list. Press **OK** to confirm choice and review. **⏮** to return photo list. **⏪** To stand-by mode.

Delete photo: choose "Delete photo", press **OK** enter photo list. Choose the file and press **OK**, opening a popup menu, as per picture 3-10. Select "Yes" or "No" then press **OK** to confirm.

Note: Locked files can be deleted after unlocked.

Protect photo: choose "Protect photo". Press **OK** to enter file list. choose the file, as per picture 3-11. Press **OK** to lock or unlock the file. If chose file is locked, a popup menu will enquire whether to unlock the file, as per picture 3-12.



3-11



3-12

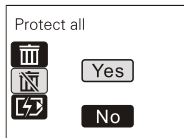
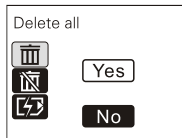
3.4 Memory card

Choose memory card, press **OK** to enter submenu.

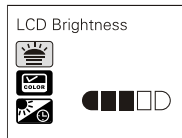
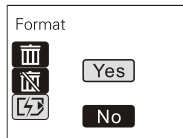
Delete all: To delete all unlocked videos in the memory card

Protect all: To protect all unlocked videos in the memory card

Format: To format the memory card



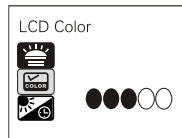
3-13



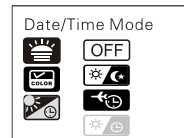
3-14

3.5 LCD Setup

In main menu, select LCD Setup, then press **OK** to enter the submenu. There can set LCD brightness, Color, Date/Time Mode, Finished setting, press **EXIT** to exit.



3-15



3-16

Submenu	Icon	Mode
Date /Time Mode		no display
		date only
		Time only
		both time and date

3-17

Notes: Please use USB cable to transfer image to PC, in case image was damaged if transfer by card reader. The company will be out of responsibility for the image damage or losing caused by card reader.

3.6 System Config

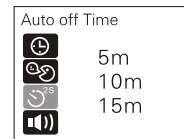
Clock: Select Clock option, **▲**/**▶** **▼**/**◀** change the setting, **OK** swift the option (Y/M/D/H/M) and confirm setting. **EXIT** to return.



3-18



3-19



3-20

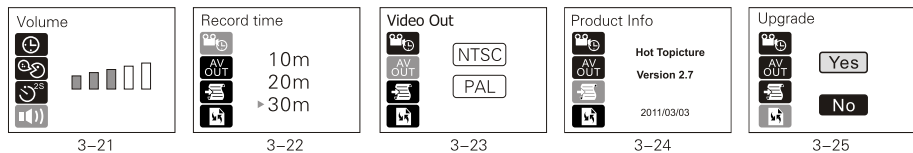
Language: Select Language option and choose the language then press **OK** to confirm.

Auto off time: Select Auto off Time option, 3 option for choice: 5mins, 10mins, 15mins, choose then press **OK** to confirm.

Volume: Select Volume option, ▲|📷 ▼|📶 change the setting, **OK** confirm setting. 🏠 to return.

Record time: Select Record time option, the default record time is 30 minutes. Press **OK** to confirm..

Video out: Select Video out option to choose NTCS or PAL system. Press **OK** to confirm



Product Information: learn the product information such as product name, version number, as per picture 3-24, press 🏠 to exit.

Upgrade: For upgrade firmware. 'Upgrade Firmware' will be shown on LCD while upgrading. The camcorder will turn off automatically after finishing upgrade.

Notes: Do not turn off the camcorder during upgrade. If there is no upgrade file in the Micro SD card, LCD show "Upgrade Fail" then exit.

4. Connecting to PC

1. Connect camcorder with PC by the USB cable, as per following picture.



2. When 'Mass Storage' is displayed on the camcorder LCD, the connection is setup.

and the USB Mass Storage Device icon is displayed on the PC monitor.

3. Do not do any operation during transfer data, in case damage the data of memory card.

5. Connect to TV

1. Connect camcorder with TV by AV cable as following picture.

2. Turn on the TV, select right channel of TV.

3. Operate camcorder to play photo or video on TV.



Notes: Camcorder LCD will turn off automatically once connecting with TV.