

CX5HD

USER'S MANUAL

Before operating this unit,
please read this manual thoroughly
and retain it for future reference.

Contents

Precautions	1
System Requirements	3
Introduction to Appearance and Keypad	4
Accessories	6
Get Started	7
1. Charge the Built-in Lithium Battery	7
2. Using Memory Card	8
3. Startup/Shutdown	8
4. Conversion between Function Modes.....	9
5. Indicator light	10
6. Video Recording Mode	10
7. Picture Taking Mode	11
8. Vehicle-Mounted Mode.....	13
9. Playback Mode	14
10. Connect to Personal Computer	16
Technical Parameters	17

This user's manual has referred to the latest information we had when this user's manual was made. The screen display and illustrations are used in this user's manual for the purpose of introducing details of this video camera in a more specific and direct way. Difference may arise between these displays and illustrations and the video camera actually available for you due to difference in technological development and production batch, under which case, the actual functions of this video camera shall prevail.

Precautions

Please read the Announcements carefully before using this video camera for proper and safe operation, so as to bring its optimum performance into play and extend its service life.

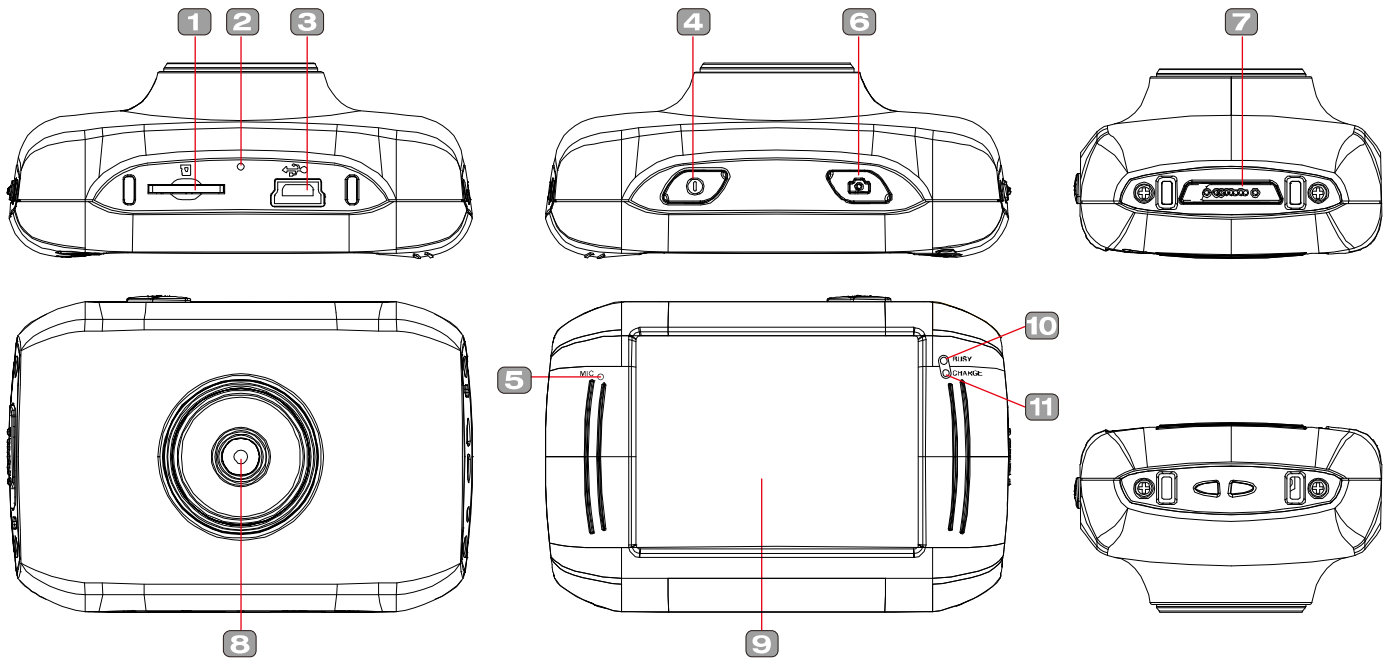
- Do not expose the video camera to sunshine directly, nor point its lens to sunlight. Otherwise, the image sensor of the video camera may be damaged.
- Take good care of the video camera and prevent water or sand particles from entering the video camera when it is used on the beach or near to water, because water, sand particles, dust or component containing salt may damage the video camera.
- Keep the video camera contaminated free of dust and chemical materials. Place it in a cool, dry and well ventilated place. Do not place the video camera in a high temperature, moist or dusty place.
- Please check if the video camera can operate normally before use.

- If dirt or stain is accumulated on the video camera or on its lens, use soft, clean and dry rag to wipe it away gently. If the video camera or its lens is stained with sand particles, blow on the lens to get the sand articles away gently. Do not use cloth to wipe arbitrarily. Otherwise, it may scratch the surface of video camera or its lens.
- If it is required to clean video camera surface, firstly blow away the sand dust accumulated on this surface, and then wipe the video camera gently with rag or tissue applicable to optical equipment. Please use the cleaning agent of video camera for wiping if necessary. Do not use organic solvent to clean the video camera.
- Do not touch the lens surface with fingers.
- Please back up the data if the memory card inside this video camera is used for the first time.
- The externally installed memory cards are manufactured from precise electronic components. Data may be lost or damaged under the following circumstances:
 - 1) Improper use of the memory card.
 - 2) The memory card is bent, dropped or collided.
 - 3) Place it under high temperature or moist environment or expose to sunshine directly.
 - 4) Electrostatic or electromagnetic field exists around the memory card.
 - 5) This memory card is taken out or power supply is interrupted when this video camera or computer is connected to the memory card (i.e. during reading, writing and formatting).
 - 6) Touch the metal contact surface of the memory card with fingers or metal materials.

System Requirements

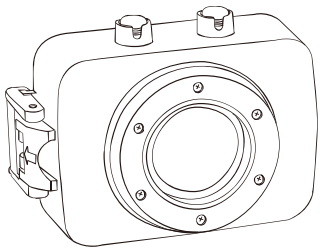
Operating System	Microsoft® Windows® 7, Vista, XP, 2000
CPU	Intel® Pentium III 800 MHz or other CPU with equivalent performance
Internal Memory	512 MB RAM
Sound Card and Display Card	Sound card and display card support DirectX8 or later
CD-ROM Drive	Speed of 4 X or faster
Memory card	No photos if no memory card is inserted.
Hard Disk	Free space of 500 MB or above
Others	One standard USB1.1 or USB2.0 port

Introduction to Appearance and Keypad

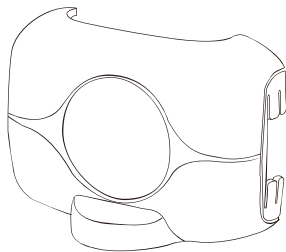


- | | |
|---------------------------|------------------------------|
| 1 Memory card slot | 7 Mode switch |
| 2 Reset | 8 Lens |
| 3 USB port | 9 TFT LCD |
| 4 Power button | 10 Working indicator |
| 5 MIC | 11 Charging indicator |
| 6 Shutter button | |

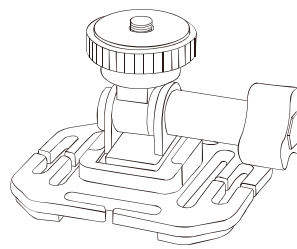
Accessories



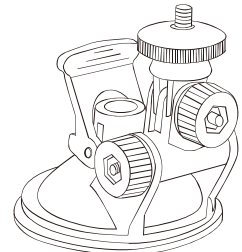
Waterproof Casing



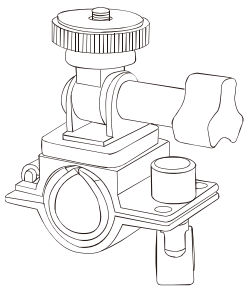
Camera Holder



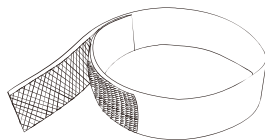
Helmet Holder



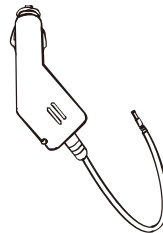
Suction Cup Mount



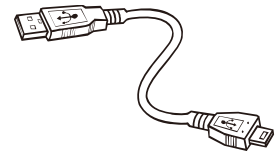
Handlebar Mount



Helmet Band



Car Charger



USB Cabel

Get Started

1. Charge the Built-in Lithium Battery



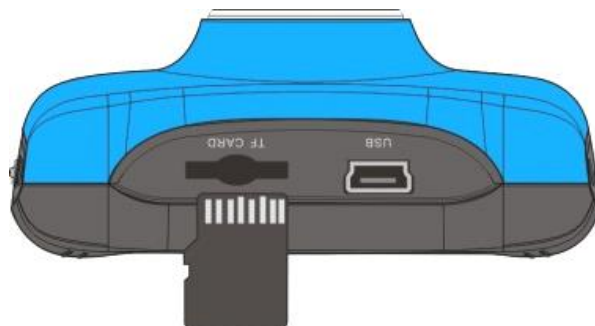
Connect the video camera with computer for charging in the shutdown state. The indicator light for charging is on at this time and will be off after charging. In general, it can be fully charged after 2-4 hours.

2. Using Memory Card

Push the memory card into the card slot according to the concave lettering beside the slot of memory card till it is completely inserted.

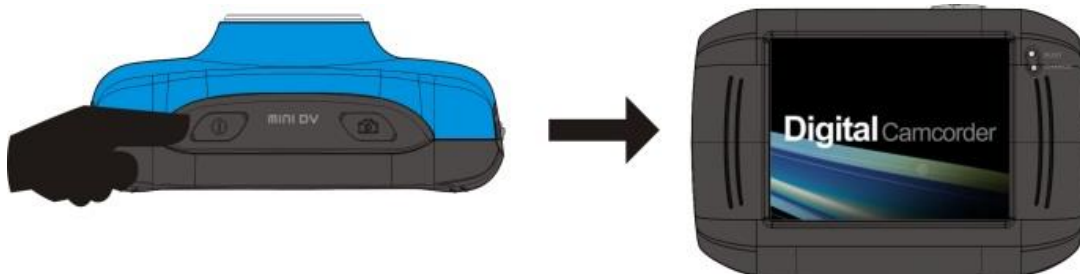
To take out the memory card, gently press the end of the memory card inward and it will pop up.

Note: No built-in memory is available in this video camera. Make sure to insert memory card before using.



3. Startup/Shutdown

3.1 Startup: Press the POWER button for 3 seconds, the screen will be on and the camera enters the startup state.



3.2 Shutdown: Press the POWER Key and the camera will be shut down.

Automatic shutdown: when the idle time of the video camera reaches the time for automatic shutdown, it will be shut down automatically to save power. The default time of this camera for automatic shutdown is 5 minutes.

3.3 Shutdown in case of power shortage: When the power of the battery is insufficient, the LCD display screen will display the low power icon. Please charge it in time. When the LED indicator turns into red and the video camera will be shut down automatically.

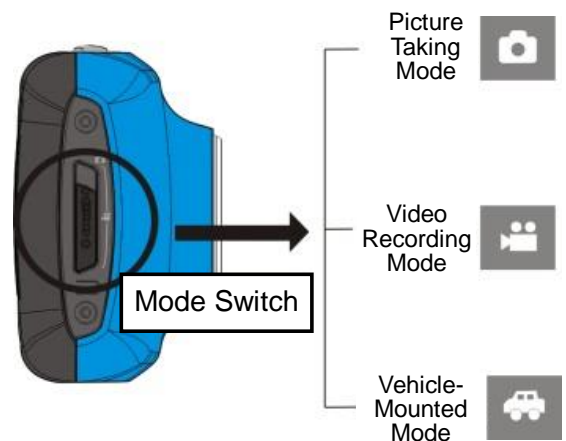
4. Conversion between Function Modes

Three modes are available for this video camera which include picture taking mode, video recording mode and vehicle-mounted mode. Conversion is available via the mode switch after startup.

Picture taking mode: pictures can be taken;

Video recording mode: video can be recorded;

Vehicle-mounted mode: video can be recorded (one file for every 5 minutes)






5. Indicator light

Working indicator light: When the video camera is being busy (such as, recording a film, taking photos, automatic off-screen), the busy light will be on.








Charging indicator light: It will be on when it is charging. The light will go off when the charging is done.

6. Video Recording Mode

When the mode switch is turned to video recording mode, press the shutter button once or click the LCD center once to begin recording under previewing state; press the shutter button once again if you want to stop recording the video camera will also stop recording automatically when the memory card is full or the power is insufficient.









00:12:18	Timer means that video recording can still last for 12 minutes and 18 seconds.
	Mode icon represents that the video camera is in video recording mode.
	Video size, click this icon and you can choose the video size from 720p or VGA.
	Represents that the memory card has been inserted.

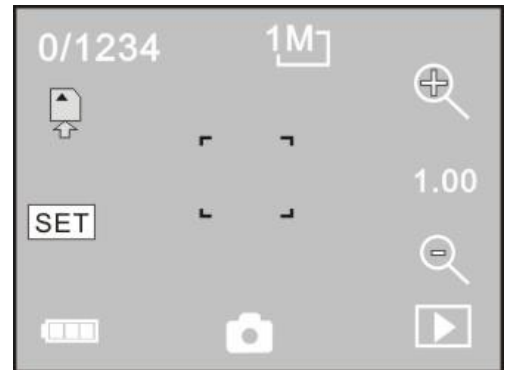


	Digital zoom icon, click to enlarge.
	Digital zoom icon, click to minify.
	Click this icon to record videos.
	Battery icon, represents the power status of the battery.
	Represents the status of digital zoom.
	Click this icon to switch to the playback mode.
	Click this icon to set the date and time Press Shutter key to confirm after setting completed.

7. Picture Taking Mode








Switch the mode to the Picture taking mode, press the shutter button or click the LCD center once under the previewing state to take a photo.

0/1234	Counter, indicating current number of photos taken / number of photos to be taken.
	Picture mode. Indicating that the device is in photo taking mode.
	Photo size, click to select the photo resolution 1M/ 3M/5M.
	Represents that the memory card has been inserted.
	Digital zoom icon, click to enlarge.
	Digital zoom icon, click it to minify.
	Click this icon to take photos.
	Battery icon, indicates the power status of the battery.
1.00	Represents the status of digital zoom.
	Click this icon to switch to the playback mode.
SET	Click this icon to set the date and time Press Shutter key to confirm after setting completed.






8. Vehicle-Mounted Mode

Turn the mode switch to vehicle-mounted mode, press the shutter button or click the center of LCD once under the preview state to begin recording. The length of each video will be 5 minutes. When the memory card is full, the earliest stored video file will be deleted to release the memory space for the new video file.


00:12:18	Timer, indicating that the video camera can still record for 12 minutes and 18 seconds.
	Mode icon, representing that the device is in vehicle-mounted mode.
	Video size, click this icon to select video size.
	Represents that the memory card has been inserted.
	Digital zoom icon, click to enlarge.
	Digital zoom icon, click it to minify.
	Click this icon to start recording.
	Battery icon, indicates the power status of the battery.







	Represents the status of digital zoom.
	Click this icon to switch to the playback mode.
	Click this icon to set the date and time Press Shutter key to confirm after setting completed.





Note: the screen will be off automatically during recording process in order to save power; user can press the power button shortly to start the screen and restore display.

9. Playback Mode

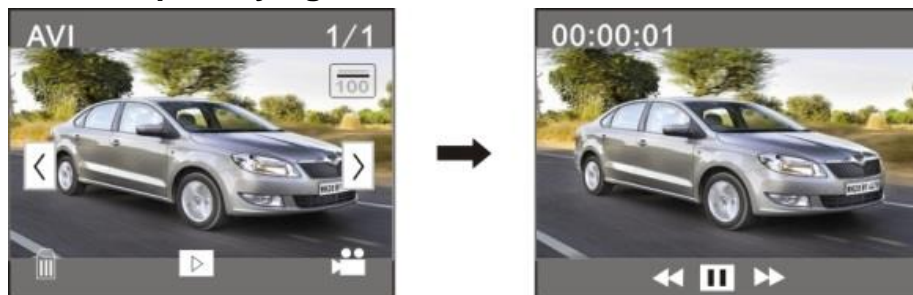
9.1 After starting up and entering the previewing state, click the playback icon () at the lower right corner of the LCD to switch to the playback mode:

	Represents that the current file is an AVI video file.
	Represents that there is one file in the current folder/one file in total.
	Current folder name (such as: I:\DCIM\100MEDIA I: is the movable disk of the device).
	Move to the next file.



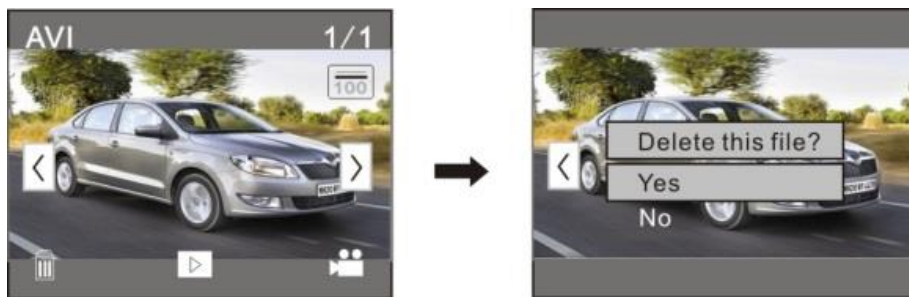
	Move to the previous file.
	Means that clicking can activate to confirm the deletion of the current file.
	Means that clicking can play the current video file.
	Means that clicking can switch back to the previous mode.

9.2 Movie Clips Playing:



Click  to pause playing, click  to play forward, and click  to play backward.

9.3 File Deletion:



Click YES to delete the current file, or click NO to cancel the request of deletion.

10. Connect to Personal Computer

The camera supports the plug and play function. Connect the device to the computer with USB cable under turning-on state, then it will be switched into the removable hard disk mode.

Icon of removable disk will appear on the window of "My Computer". Photos/videos you have taken are saved in folder I:\DCIM\100MEDIA (I:\ is the removable disk of this device) in the removable disk. Files recorded in vehicle-mounted mode are saved in I:\DCIM\RECORDER.

Note: If removable disk function is used in windows 2000 or windows operating system with a higher edition, it is unnecessary to install driver.

Technical Parameters

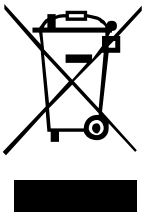
Image Sensor	CMOS	
Function Mode	Video taking mode, Picture taking mode, Vehicle-mounted mode, Removable storage device	
Camera Lens	F/3.1 f=9.3 mm	
Digital Zooming	4 times	
Shutter	Electronic Shutter	
LCD Display	5.1cm (2.0 inch) Touch Screen	
Photo Resolution	5M (2592x1944), 3M (2048x1536), 1M (1280x1024)	
Video Resolution	720p: 1280x720 (30 fps) VGA: 640x480 (60 fps)	
White Balance	Auto	
Exposure	Auto	
File Formats	Image	JPEG
	Video	AVI

Storage Media	microSD card (Supporting up to 32GB) (No internal memory)
USB Interface	High-speed USB 2.0 interface
Power Supply	Built-in 3.7V Rechargeable Lithium-ion Battery
Dimension	66 x 43 x 27 mm
Weight	Approx. 46 g



EC Declaration of Conformity

The product complies with the protective requirements of European Directives 2004/108/EC.



Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE)

This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product.