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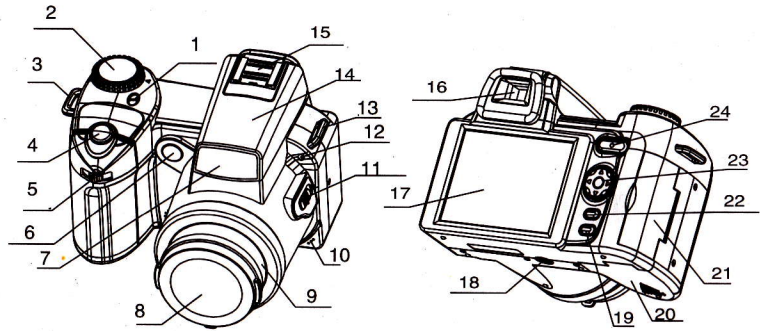
Tips: This manual contains the proper use of digital camera and the related matters should be noted. Please read it carefully before using this device.Spending 20mins to read this manual will save your more valuable time.

1.Illustration

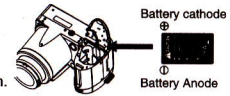


1:Power indicator / Power button
2:MODE dial
3:Strap Buckle
4:Camera Button
5:Zoom key
6:Remote sensor
7:Name Plate
8:Lens Cap
9:Interchangeable lens
10:Microphone
11:The lens release button
12:Red-eye indicator
13:Strap buckle (left)
14:Flash
15:External camera lampholders
16:Viewfinder
17:TFT Screen
18:Tripod holder
19:MENU
20:The battery cover
21:Connector cover
22:The OK / flash switch
23: Arrow keys
24: Camera key

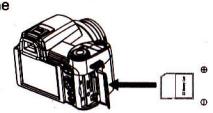
2.Install the battery and SD card

2.1 Install the battery
(Dual power modes)

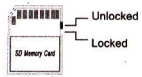
2.1.2Please install the battery onto the device according to rigth illustration.



2.1.3. fight battery cover according to the battery cover, pop-up Positive and negative terminals marked load on the 5th battery.

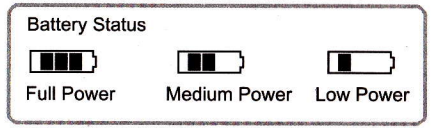


2.2 Install the SD card
2.2.1 Install the SD card into the SD Card Slot according to right illustration
2.2.2 To remove the SD card, please press it inward
Special tips: When buying a SD card, you had better take this device to have a test.



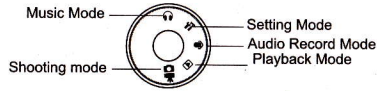
2.3 Switch on the device

2.3.1 Press Power Button ON/OFF to turn on the device.



3.Change Modes

Turn the Mode Dial to switch over modes, including Camera/Camcorder Mode,Playback Mode,Audio Record Mode, Music Mode and Setting Mode.



Note: by turning the mode dial to select a different model

4.Accessories

The accessory photos above for reference use only.
The actual accessories may differ from above photos.

5.Menu

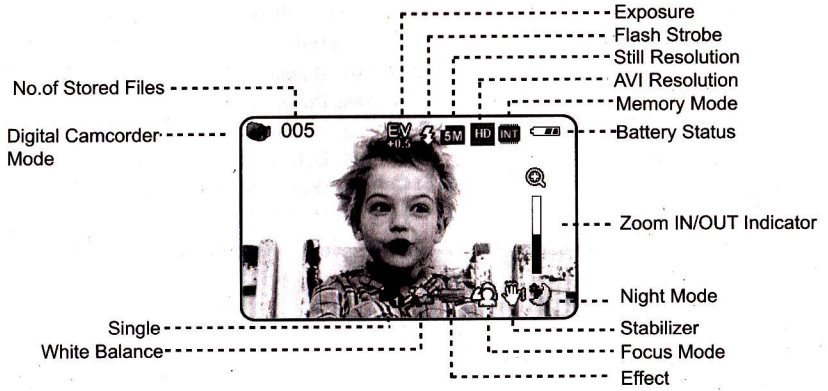
Camera / Camcorder Mode		
Video Resolution	HD(1280*720) HD	The video quality of HD image.
	VGA(640*480)	
	QVGA(320*240)	
Still Resolution	2M/5M/8M(Interpolated)/12M (Interpolated)/16M(Interpolated)	The size of photos.
Stabilizer	Off	To prevent of hand shake as the result of fuzzy image. (HD high-definition mode effective)
	On	
Night Mode	Off	When shooting at night, use this mode to get more exposure.
	On	
Flash Strobe	Off	When the light is not enough,turn on this mode: Off,Auot,Force. This mode also can be set by LED Control Button.
	Auto	
	Force	
Snap Mode	Single	Click Shutter Button to shoot single photo
	Self-Timer	Click Shutter Button, take picture after 10 seconds and Self-timer indicator light twinkling.
	Continuous	Long press Shutter Button to take continuous photos.
EV Exposure	+2. 0EV, +1. 5EV, +1. 0EV, +0. 5EV, +0. 0EV, −0. 5EV, −1. 0EV, −1. 5EV, −2. 0EV,	(-2.0 to +2.0 EV) the higher the NO.is , the brighter the image will be.
Display switch	On / off	Right-click to open or close the display

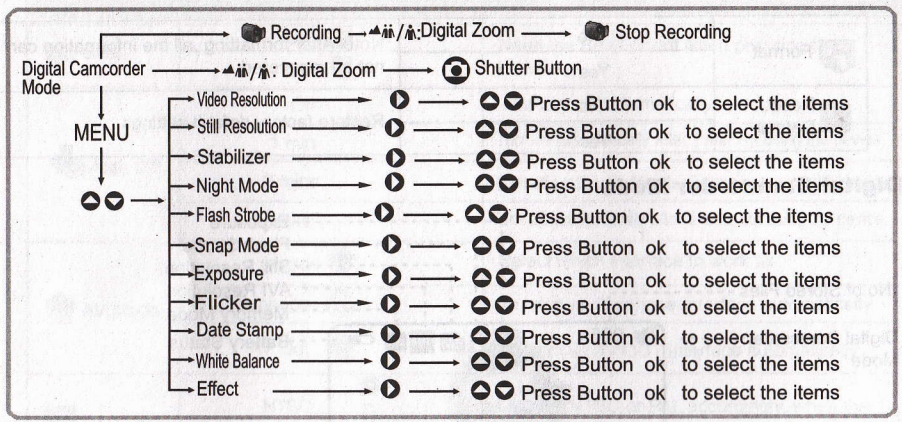
Flicker	60Hz	Adjust the frequency of light at 50HZ or 60HZ according to the in-door light source.
	50Hz	
Date Stamp	Off	Leaving shooting date or not.
	On	
White Balance	Auto	Auto Adjusting.
	Sunny	Used under the sunny condition
	Cloudy	Used under the Cloudy condition.
	Fluorescent	Used under the Fluorescent condition.
	Tungsten	Used under the Tungsten condition.
Effect	Normal	Select three Effect Modes to get different color effect.
	Black & White	
	Classic	
Playback		
INFO File Info		The instruction of name,date,specifications and other info.
Delete One	Yes, No	Delete current file (Be serious)
Delete All	Yes, No	Delete all files(Be serious)

Setting Mode		
Beep	On	Need the Beep or not when pressing the buttons.
	Off	
Auto Off	Off	Not turn off automatically.
	1 min	Turn off automatically after 1 min not using the device.
	3 mins	Turn off automatically after 3 mins not using the device.
	5 mins	Turn off automatically after 5 mins not using the device.
AV Mode	Menu	Select which interface to work as
	Earphone	To work as Earphone Interface automatically
	AV Out	To work as AV OUT Interface automatically
TV System	NTSC	Choose NTSC or PAL accordingly, when the system is wrong ,the image is black and white.
	PAL	
USB Mode	PC Cam	Connect the device to PC with USB cable to work as PC CAM
	Disk	Connect the devive to PC with USB cable to work as Disk
Language	Set the language accordingly	
Icon	On	According to usage settings icon is showing
	Off	
Clock	Set according to local date and time	

Format	No	Note: After formatting ,all the information can not be recovered.
	Yes	
Reset Default	No	Restore factory default settings
	Yes	

6.Digital Camcorder Mode

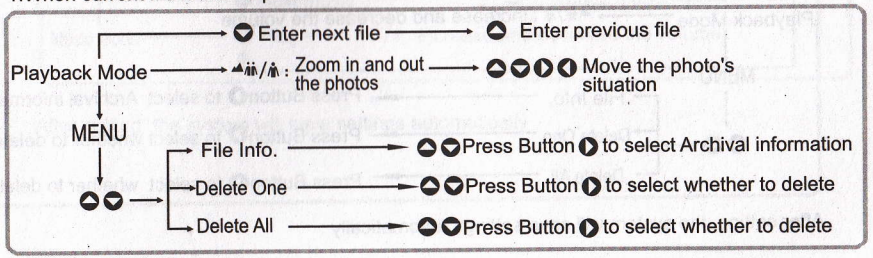




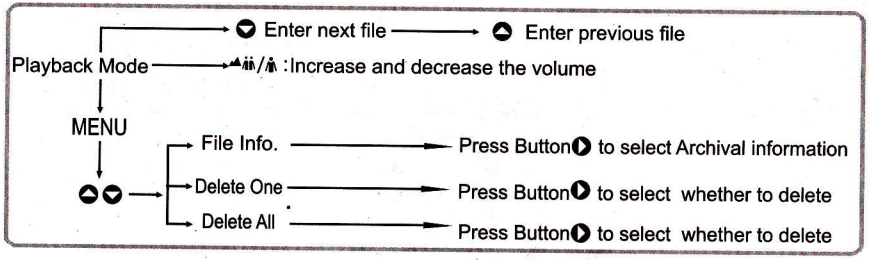
After setting, the system will save settings automatically .

7.Playback Mode

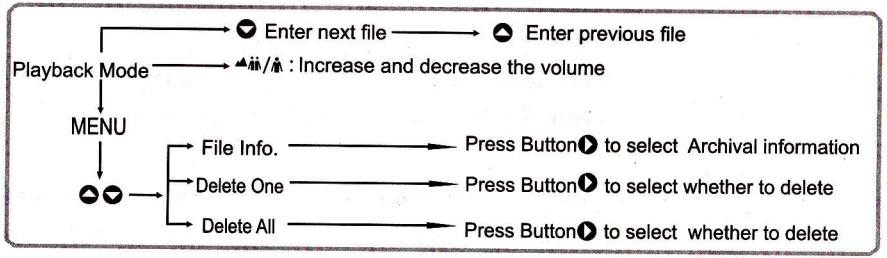
1.When current file is a JPG photo



2.When current file is a MP4 video

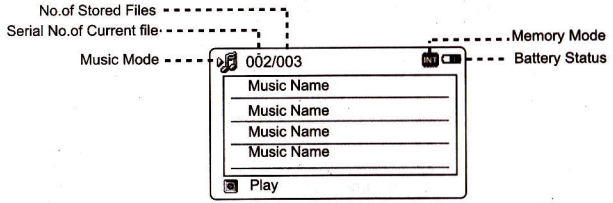


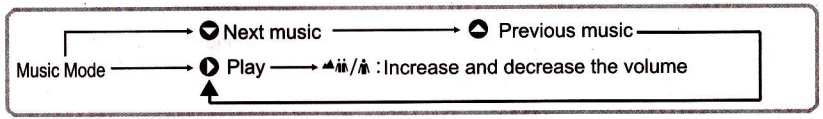
3.When current file is an audio one



After setting, the system will save settings automatically .

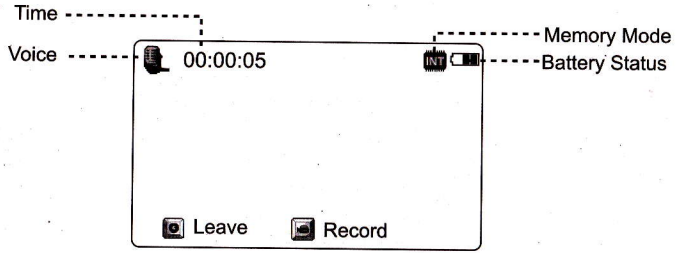
8.Music Mode

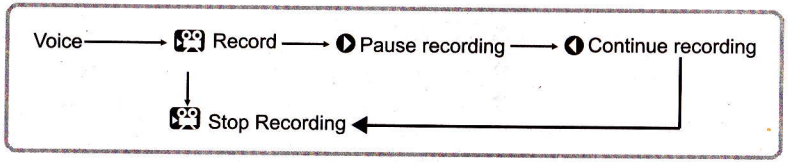




After setting, the system will save settings automatically .

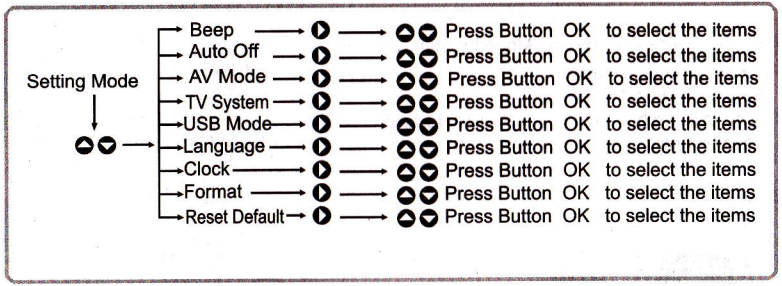
9.Audio Record Mode



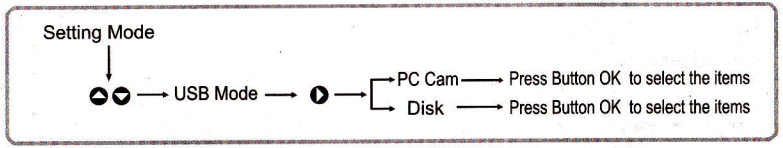


After the selection. By rotary switch mode

10.Setting Mode



11.PC Cam and Disk Function



1.When choosing the PC Cam Mode, connect the device to PC with USB Cable.
2.When choosing the Disk Mode, connect the device to PC with USB Cable.

After setting, back automatically to the Setting Mode

Note: mount the CD-ROM drive before you can use this feature

12.Audio-visual Function

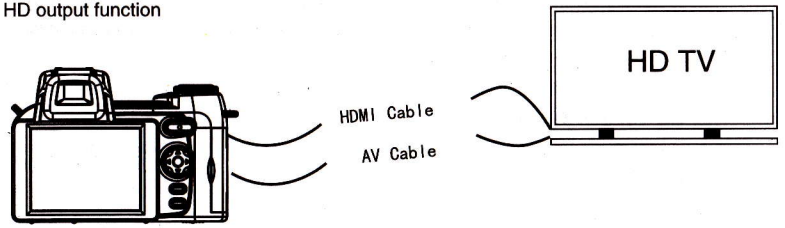
12.1.Set the device to Earphone Mode to listen to music

1.Set the device as below:
(Setting Mode-AV Mode-Menu)
2.Insert the earphone to the Earphone Interface
3.Play the music files

12.2.AV Out

1.Set the device as below:
(Setting Mode-AV Mode-Menu).
2.Connect device to TV with AV Cable.
3.Set the device to Playback Mode to play the video.(See chart below)

12.3 HD output function



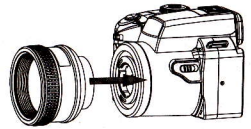
The camera connected to the TV using the HD data cable. Can play high-definition television (TV HDMI HD inputs only support this feature), the absence of this feature TV only AV data cable to connect the play the movie.

13.Install the software and driver

1.Place the included CD into CD-ROM player.
2.Install the camera driver.

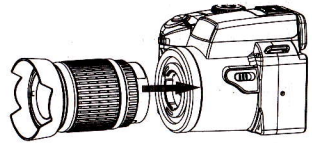
14. How to use Wide Angle Lens.

14.1.The usage of Wide Angle Lens （optional)
1.Press the lens release button,align the interface ring of the Wide-angle lens with that of the camera, turn the lens clockwise to the right position.



14.2.The purpose of Wide Angle Lens
Wide Angle Lens is mainly applicable to expand the horizon, expand the small horizon to be taken.

14.1.The usage of Telephoto Lens （optional)
1.Press the lens release button first, rotate the tube anticlockwise;
2.Align the interface ring of the Telephoto Lens with that of the camera, and the marker of lens installation with the lens release button.
3.Turn the lens clockwise to the right position; here do not press the lens release button.
4.Release the lens as Point 1.



15:3.2 The purpose of Telephoto Lens:
Telephoto Lens is mainly applicable to long-distance shooting, such as: watching major games, concerts, traveling and long-distance animal observation, etc.
Note: When using Telephoto Lens, please use the tripod and self-timer function to ensure the quality of shooting and viewing.

15.Frequently Asked Questions

Frequently Asked Questions	Solutions
The device can't be turned on.	The batter power is used up or low. Please charge the battery.The device is dead due to irregular procedure. Please take out the battery and then install it again to turn on the device for a try.The Power Button doesn't work. Please turn to professional maintenance man for help.
The device turns off automatically.	The battery power is low. Please charge the battery.The auto-off time set is too short. Please set a longer auto-off time.Continuously pressing Power Button again and again will cause certain problems. Please don't press Power Button continuously.
The stored files can't be found.	In this case, the disk should be named as Internal memory or Disk. The storage of files fails during transmission.
No sound	Please check if the AV Mode is set as below.(Setting Mode-AV Mode- Earphone or Menu).Please check if the earphone is well connected to the device.Please check if the volume is 0.Please check if the earphone is broken. Please change other earphone for a try.
Bad noise occurs.	Please check if the earphone is broken. Please change other earphone for a try.Please check if the connection between earphone and the device is clear or not. Please check if the file is damaged or not. Please try to play other files for test.
The pictures are not clear.	It may be caused by shaking when shooting. Please hold the device more steadily or use the tripod when shooting.Please check the Focuing Button.It is proposed to use the Self-timer or Remote Control function when using the Telephoto Lens.

The LCD screen of the device is too dark.	Outside light is too dark It may be caused by moisture. Please keep the device dry.
The battery power is easily used up.	The battery power will be used up much quickly due to frequent use of Camcorder Mode and Playback Mode.After repeatedly charging and discharging, the battery life will be shortened and the capacity will be reduced. It is needed to be replaced.Too high or too low temperature will affect the service life of the Li-ion battery.
The file transmission between the device and a PC fails.	Please check if the USB Cable is connected rightly.Please check if the USB interface of computer works normally.
The stored files can't be played.	The file format can't be supported by the device. Please change the format by using the offered transformation software.The file is damaged. Please transmit or copy same file again to the device.The file is damaged. Please transmit or copy same file again to the device.
The AV Cable is unavailable or sound of videos or audio files fails to occur on TV after connecting the device to a TV set.	The AV Cable might be connected wrongly. Please pay attention to every relevant port. The yellow line is the video one. The red line and white line are the audio ones.

16.Specification

Item	Specification	Parameter
Sensor	CMOS	5.0Mega CMOS Sensor
Lens	Camera lens	F3.2，f=7.45mm
Zoom	Camera	4X Digital Zoom

Focus Range		Fixed Focal Length: 1.5m ~ ∞
Exposure		(-2EV- + 2EV) ; Auto
White Balance		Auto、Sunny、Cloudy、Tungsten、Fluorescent
LCD Screen		3.0" Color Screen (960*240 Pixels)
Built-in Flashlight		Yes(Effective range of flash is from 1m to 3m)
Recording Format		Still:JEPG Video:MPEG-4; Audio:WAV
Still Resolution		2M/5M/8M(Interpolated)/12M(Interpolated)/16M(Interpolated)
AVI Resolution		HD Mode, VGA Mode, QVGA Mode
AVI Frames		30FPS
Multimedia Function		MP3,MP4
Memory Media	Internal Memory	32MB(20MB is available)
	External Memory	Support Micro SD Card,Up to 32 GB
Input Function	USB	PC CAM/ Disk
Output Function	AV Interface	Audio-visual Output, NTSC/PAL for option
	Earphone Interface	Φ3.5mmEarphone
Continuous Shooting Mode		Yes
Self-timer		10sec
Power Supply	Rechargeble Li-ion battery	900mAh
System Request		**PC:WindowsXP/Windows7/Vista**
Dimension	L*W*H	124X96X85mm
Weight		Approx450g

Product design and specifications are subject to any change without prior notice.