Digital Video Camera

User Guide

Copyright Information:

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Specification:
Image Sensor: 300K Pixels CMOS Sensor
Image Resolution : High:2M , Middle:1.3M
                     Low:VGA(640*480pixels)
Display: 1.5'' CSTN LCD
Video: (VGA/QVGA) 640*480/ 320 * 240
Preview Zoom: 4X(only in the camera mode)
Internal Memory: 8*16Mb
External Memory: SD card / MMC Card (not included)
Photo/Audio: JEPG/AVI
Lens: focus 2P
Interface: USB/AV out
Shutter Speed: 1/15 to 1/1000 second
Power: 4AA Alkaline Batteries (not included)
Dimensions: **123*43*70**mm
Weight: 125g (excluded battery and SD Card)
Self-timer: 10 seconds delay & 2 seconds delay

1.System Requirements: Pentium 166MHz processor or higher Microsoft Windows 98SE/Me/XP Available USB port
Super VGA card and color monitor CK-ROM or DVD-ROM drive At least 64MB RAM
200MB available HD space
Mass Storage : Windows Me, 2000, XP
PC Camera Driver: Windows98se,Me, 2000, XP

2.USB device Unplugging Notice:
If you want to unplug the digital Video from your computer, be sure to stop the device before hand. To stop the Digital Video, follow the steps below:
Remove from PC (For Windows Me/2000/XP)
1.Click on the device icon "⬛" located on the taskbar. Select the device you want to stop (e.g. Stop USB Mass Storage Device Drive)

**2.Follow the on-screen instruction to safely remove the Digital Video.**

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Key instruction

1. **Power:** Slide the power button on/off
2. **Shutter:** Start or Stop to take a picture/video
3. **Zoom out/zoom in:** 4 times digital zoom in camera mode only
4. **Preview/Play:**Change three mode: Capture, Video, Preview mode.
5. **Menu/Ok:**Confirm
6. **Up/Down:** Select setting. Up botton can play video on preview mode.
7. **Left:** Back/Preview pictures and video one by one/Self-timer setting(10seconds & 2seconds)
8. **Right:** Pieview pictures amd video one by one
9. **Display:** play with icon, without icons or blank(economy mode)

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Getting to Know Your Digital Video
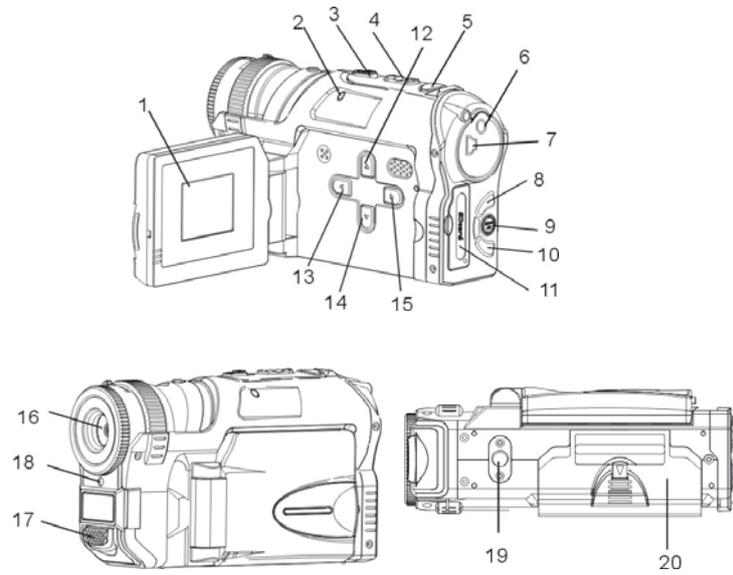
1. 1.5" CSTN LCD	2.Power Indicator
3.Power On/Off	4.Zoom out/ Zoom in
5.Shutter/Play	6.AV port
7.USB port	8.Preview/Play
9.Menu/ok	10.Display
11.SD slot	12.Up
13.Left	14.Down
15.Right	16.Lens
17.Microphone	18. Function Incicator
19. Tripord port	20. Battery case

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Strap Install
Following the instruction steps as below figures to attach the strap to the camera.

Power On/Off
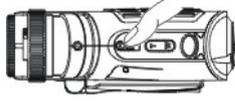
To **POWER ON --** slide the power button down for 3 seconds and released to activate your Digital Video. Slide it again for 3 seconds to **TURN OFF.**

If you leave your Digital Video unused for 1 minute or more, the power will automatically turn off to save battery.

Power Low

If your battery is about to run out, LCD will show

meantime the will be blinking and turn off itself in 10 seconds.In this case,replace the batteries.

The status of the batteries are indicated on the top left corner of the display:

-full batteries: -run out 1/3 batteries:

-run out 2/3 batteries: -empty batteries:

Remark!
1.   Please make sure the focus adjusting button is   either like A or B
according to the project distance, or the picture quliaty will be poor.
2.   Keep the camera steady when releasing the shutter
3.   Make sure you have adequate light when taking still pictures or movies.
4.   For best quality video, move the camera slowly during recording.
5.   Keep your finger away from the lens.
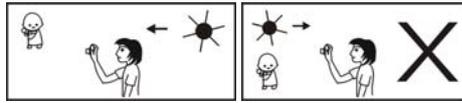

A.   B.

Taking pictures/Single shot

1. Power on the camera ,
   Press Preview/play to photo mode.A small camera is displayed on the
   top right-hand corner of the screen.
2. Zoom-in or Zoom-out by T/W to frame your picture.
3. Press SHUTTER to start and the total number showing on the LCD will
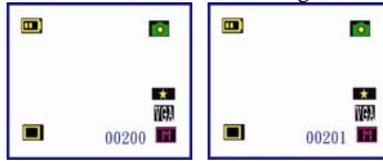
   be increase one by one.
4. LCD will say MEMORY FULL when the memory is fully used

5. " " On the lower right of the screen means internal memory, when
   SD card was been putted into SD Card Slot, will be changed
   by .

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6. On the shot mode, you can adjust the Resolution , quality , EV , BRUST by press menu OK button, press Up or Down button for selection, then press menu ok again for final confirm. or press right button to set up mode.(Quality have 3 chose:fine , standard , economy:)
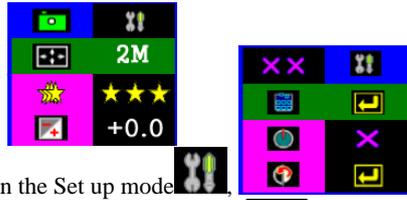
7. In the Set up mode , . to adjust format , Auto off , reset , TV out , and press " YES " for confirm, or " NO " at last, press to back off shot mode.

Taking VIDEO
1. Press Preview/play to select Video Mode
2. Press SHUTTER to start recording and stop
3. **Press Menu/ok to switch to ★★VGA(640*480) /★ QVGA(320*240) ,then press Menu/ok to setting**

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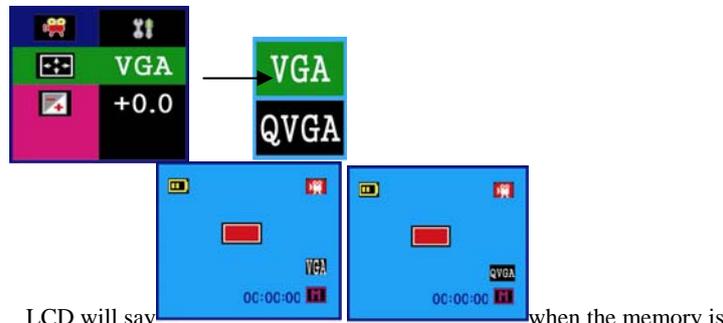
4. LCD will say   when the memory is fully used.

Playback Videos & Pictures
Playback a Video or Picture

1. Press **Preview/play** to select playback mode .

2. The files will be displayed . it mean no image with showed on screen.

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3. Move the course by press ◄ , ► to choose the file you want and

    press ▲ to play.
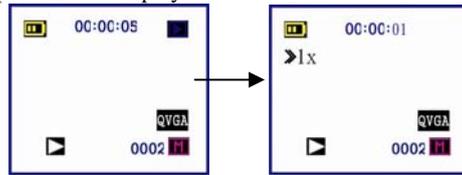
If you are playback video,you also can press ▲ to stop.

Playblack video & audio on TV
Connect the camera to your TV set via AV cable, insert the black end to the
AV port in the camera. There are video and audio port in the TV set, connect
the AV cable with yellow end(for video) and red end(for audio) to the TV
according the instruction on TV.
Refer to below figure. Then open the camera, press preview you will find the
pictures, AVI or audio files you've taken. Select the one you desire and press
display key to display it.
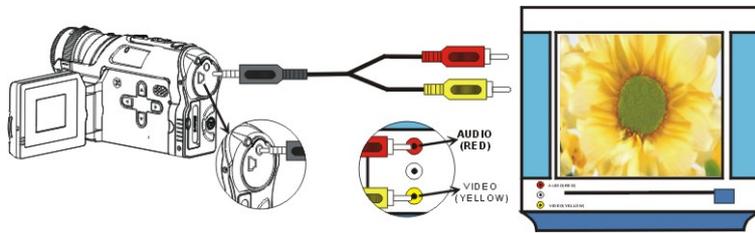
Caution: If the AVI file cannot be played smoothly, you may need to upgrade your Windows Media Player or directly play the file enclosed Arcsoft Video Impression

Erase

1. Press Preview/play to switch to Playback mode
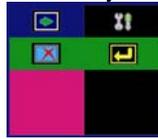
PressMenu/ok,LCD will say:

PressMenu/ok again, LCD will say:1）(delete one only)

2） (delete all)，choose at .

2.   Then press Menu/ok to confirm.
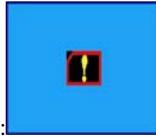
There are no files,LCD will say:

3.   Press Preview/Play to recorder mode.

Notice: If the file is protect and you will not be able to erase file.

USB

MSDC : Mass Storage (for PC Windows2000 and XP)

For Windows98 user need to install Mass storage driver.

DPOF: Set Digital print order Format. Version 1.0 function.

Set up Form:

Item	Setting	Description
Language	English	Multi-lingual LCD supports English and simplified Chinese, You can select any language that you wish to
	Simplified Chinese	

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AC Power Frequency	50Hz	Match up with the frequency of the main power supply in your country. 50Hz: Europe, China, Hong Kong etc 60Hz: America, Canada, and Korea
	60Hz	
Exposure		Exposure Value
White Balance		White Balance
Sharpness		Normal, Sharp or Soft.
TV out.	PAL	China , UK, Germany, Russia, Africa
	NTSC	North America and Japan
Auto off		60 sec after no operation (adjustable) This is disabled when connected on usb.
Data & Time		To set date and time
Default		Go back to the primary default setting

CONNET TO PC
1. Mass Storage Mode (When in use of external memory card) Power on your digital camera   and Press Preview/play buttom and Connect your digital Video to a computer, it will turn to mass Storage Mode. In mass Storage Mode, Your Digital Video acts exactly like a hard disk. That means you can access it via the Windows user interface. You can copy, move or delete pictures or movies exactly the way you manipulate files.

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(Note: For Windows Me 2000 and XP, there is no need to install the mass storage driver form the CD ROM. Driver installation is only needed for Windows 98)
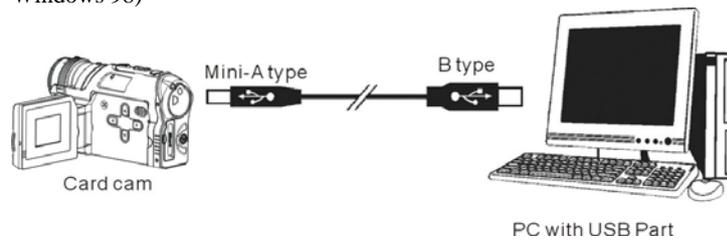
2.   PC Camera Mode

Power on your digital camera and connect it to your PC via USB cable provided, press shutter button till you see the screen showed PC camera: . Then go to [Start] [Programs] [Sunplus Ca533a] , run Amcap.

Using as a PC/Web Camera

1.   The webcam allows you to broadcast moving images over the Internet. When your camera is connected to the USB port it can be used as a PC/Web camera.

2.Open the camera first then connect this Digital Video to a computer with its supplied USB cable and   the screen will show PC camera . Go to   program->Sunplus Ca533a>Amcap, run Amcam

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You will see it works as a PC cam!

If you have a MSN Messenger or Yahoo account, you can have a video conference face to face Online.

Installing the driver and photo-editing Software

You must install all software before connecting the Digital Video to your computer

Using Arcsoft
(Not Available for Mac)
By connecting your Digital Video to a computer, the Arcsoft opens.
Meanwhile your Digital Video switches to Mass Storage Mode too. You may
choose either to transfer the camera data through Arcsoft program or through
Mass Storage Mode.
a) Click start->program->Arcsoft Camera Suite->Photo Impression 4 to
   execute Photo Impression 4.
b) Arcsoft program operation manual is included!!

Important notice:
●Don't cover the lens with hand or strap.
  Keep the camera neatly (especially the lens, viewfinder and LCD display).
  Use soft cotton cloth or tissue to wipe the dust on camera or LCD display.
  Blow the dust and gain off form the lens or viewfinder carefully. Normally
  don't try to clean it. In case clean needed please kindly use professional
  lotion to wipe out gently, and then wipe to dry with good quality tissue or
  professional lens paper.
●Don't shoot under strong light long time.
●Don't put the camera in wet place.

Note: This equipment has been tested and found to comply with the limits for a Class
B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to
provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not
installed and used in accordance with the instructions, may cause harmful interference
to radio communications. However, there is no guarantee that interference will not
occur in a particular installation. If this equipment does cause harmful interference to
radio or television reception, which can be determined by turning the equipment off
and on, the user is encouraged to try to correct the interference by one or more of the
following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the
receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.