

UNI CAM 3.1

3.1 Mega Pixel Digital Camera

User's Manual

Version 1.0

Overview and Acknowledgments

Thank you for purchasing **UNI CAM 3.1** Digital Camera. It is with 1.5' TFT LCD Display, built-in Flash Light and 3X Digital Zoom. Maximum resolution is 2048 x 1536. Supports Snap Shoot, Video Recording and Voice Recording. It is also bundling with powerful photo editing and capturing software – Lover's Eye 2.0.

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Manual Version 1.0

Information in this manual is subject to change without notice.

Inside the Package

- 1 x UNI CAM 3.1 Digital Camera
- 2 x AA Re-chargeable Battery
- 1 x Tripod
- 1 x Video Cable
- 1 x USB Cable
- 1 x CD ROM with Driver and Application Software
- 1 x User Manual
- 1 x Traveler Bag
- 1 x Strap

Product Features

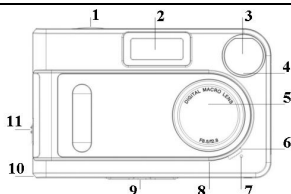
- Maximum 3.1 Mega Pixel (2045 x 1536) Hardware Interpolation
- Supports Secure Digital (SD) Memory Card
- 1.5" TFT LCD Display
- 3X Digital Zoom
- Video Recording (AVI)
- Voice Recording (WAV)
- Web Camera
- Self-Timer
- 20cm Macro Mode
- NTSC / PAL Video Output
- Auto Exposure
- Auto White Balance
- Removable Disk (SD Memory Card)
- Bundle with 2 x AA Re-chargeable Battery via USB Connection
- USB 1.1 Standard Interface

Specification

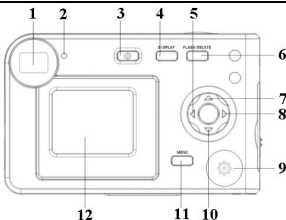
Sensor	2.0 Mega Pixel CMOS Sensor
Resolution	Maximum 3.1 Mega Pixel (2048 x 1536) Hardware Interpolation
LCD Display	1.5" TFT
Storage Media	Secure Digital (SD) Memory Card
Photo Quality	2048 x 1536 Fine 1600 x 1200 Normal 640 x 480 Economy
Format	Snap Shoot (JPEG) Video Capturing (AVI), 25fps, 320 x 240 (CIF) Voice Recording (WAV)
Zoom	3X Digital Zoom
Exposure	Automatic
White Balance	Automatic
Flash-light	Always Fire / Automatic / Off
Video Output	PAL / NTSC
Interface	USB 1.1
Power Supply	2 x AA Battery
Camera Len	1/2 Inch Fixed Len
Aperture	F 8.5 / f 2.8
Filed Depth	50cm - ∞
Viewfinder	Optical

Minimum System Requirement

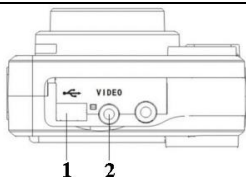
- Pentium 233MHz or above Processor
- 64MB RAM
- One Available USB Port
- Microsoft Windows® 98 / 98se / ME / 2000 / XP
- CD-ROM Drive is Required for Driver and Application Software Installation

Digital Camera Illustrations**Front View**

1. Shutter Button
2. Flashlight
3. View-Finder
4. Self-Timer Indicator
5. Camera Len
6. Macro Mode
7. Microphone
8. Normal Mode
9. Tripod Fix
10. Strap Hole
11. Battery & Memory Card Compartment

**Back View**

1. View Finder
2. LED Indicator
3. Power Switch
4. Display Button
5. Menu Button
6. Flash Mode Button / Delete Mode Button
7. Zoom-In / Previous Button
8. OK / Playback Button
9. Speaker
10. Zoom-Out / Next Button
11. Menu Exit Button
12. TFT LCD Display

**Side View**

1. USB Port
2. Video Output Port

Operation Instructions

A. Batteries

- Loading the Batteries

Make sure the camera is turned off. Open the Battery and Memory Card Compartment by sliding the lock. Follow the illustration to insert the batteries in the direction shown. Close the battery compartment.

- Low Battery Condition

1. A battery meter icon  shows the level of battery condition on the LCD Display.
2. When batteries drops to a certain low voltage level, the camera will alarm you with the icon flashing.
3. You have to re-charge the batteries or replace with 2 new ALKALINE Batteries.

- Charging the Batteries

The 2 x AA battery in the package are re-chargeable.

1. Connect the USB cable to the camera and computer. The LED Indicator will flash. Press Power Switch to start battery charging automatically. The LED Indicator will flash fast.
2. When batteries are nearly fully charged, LED indicator flash normally. To stop battery charging, press again Power Switch.
3. It takes around 6 hours to complete battery charging from empty to full (1600MAH).

Note :

The camera can still work as web camera and removable disk when battery charging is in progress.

B. Inserting / Removing the Memory Card (Secure Digital)

Make sure the camera is turned off. Open the Battery and Memory Card Compartment by sliding the lock. Inset the card as far as it will go in the direction shown at the back of the camera.

To remove the card, hold the card with your fingertips and pull it out.

Note :

Without inserting a memory card, you cannot access any operation.

C. Powering On / Off and Power Saving

- Powering On / Off

After inserting batteries and memory card, press the Power Switch to turn on the camera. You will see a welcome graphic. The LED Indicator and LCD Display light up. And now, the camera is in standby mode.

Press the Power Switch again to turn off the camera.

- Power Saving

~ In 2 minutes with no operation, the camera will be turned off automatically in order to save power usage.

~ You can press Display Button to switch off the LCD Display to save power usage. Press Display Button again to turn it on.

D. Taking Still Pictures

- Shooting Photos
 1. Point the camera towards a subject while viewing through the Viewfinder or the LCD Display.
 2. Press the Shutter Button gently to take a picture.
 3. The picture will remain on the LCD Display until it is stored in the memory card as JPEG format. When the LCD Display resumes to standby mode, you can take next picture.
- Image Quality Setting
 1. Press Menu Button and go to Image Quality by pressing Previous Button / Next Button. Press OK Button to set image quality.
 2. Select your desired image quality and press OK Button to confirm your selection. Afterwards, the camera would return to standby mode.

This camera has 3 image quality options as below.

	<i>Image Quality</i>	<i>No. of Photo Taking</i>	<i>LCD Display</i>
1.	2048 x 1536 Fine Quality	46 Images	★★★
2.	1600 x 1200 Normal Quality	86 Images	★★
3.	640 x 480 Economic Quality	216 Images	★

** The number of photo taking is accumulated by using a 32MB Secure Digital (SD) memory card.

- Flashlight Setting

Press the Flash Button to select one of the 3 flashlight options as below.

 Flashlight Off	 Automatic	 Always Fires
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Flashlight Off : Default flashlight setting is at off  condition. No flashlight is available.

Automatic : The flashlight icon will change to  on the LCD Display. The flashlight will fire only when taking photos in low-light or backlight conditions.

Always Fires : When you select Always Fires , the flashlight will fire every time while taking photos.

The flashlight needs to have power charging before using. When you select Automatic or Always Fires, the flashlight will be charged automatically. During power charging, the LED Indicator will flash. When it is completed, the LED Indicator will light off. And now, you can take photo with flashlight.

After taking one photo with flashlight, the flashlight will be re-charged by itself.

Note :

If the battery level is too low, flashlight may not be able to work properly. If flashlight charging procedure cannot be completed and the icon resumes off  condition, you have to charge the batteries or replace new batteries to use flashlight (please read Section A – Batteries).

- Macro Mode

1. Slide the Macro Mode Switch to Macro Mode. It allows you to take pictures at a closer range (around 20cm).
2. To take pictures, follow the steps in Shooting Photos.

- Digital Zoom

While focusing a subject, press Zoom-In / Zoom-Out Button to access Zoom feature. You will see the Zoom Lever to show the level of zooming. The framed image can be zoomed between 1.0X – 3.0X.

- Self-Timer Setting

1. Press Menu Button and go to Self Timer. Press OK Button.
2. You will see an icon  shown on the LCD Display.
3. To start Self-Timer photo taking, press Shutter Button.
4. The Self-Timer Indicator in the front side of the camera under the Viewfinder will flash. After 10 seconds, the camera will take the picture automatically.
5. The camera will then return to standby mode.

E. Video Recording (with Voice)

1. Press Menu Button and go to AVI Movies. Press OK Button.
2. To start video recording, press Shutter Button. Timer starts counting recording time.
3. To stop, press again the Shutter Button. The video will be saved as AVI format in the memory card.
4. You can also use Digital Zoom feature having video recording.

Note : In using a 32MB SD memory card, it can record around 7 minutes.

F. Viewing Still Pictures / Playing Back Video

1. Press Menu Button and go to Preview Image. Press OK Button.
2. In preview mode, you will see a 3x2 photo album. Select your desired viewing picture / playing back video by pressing Previous Button / Next Button.
3. To view picture, press Playback Button. To play back movie, press the Playback Button twice.
4. To view / playback previous or next picture / video, just press Previous Button / Next Button.
5. After viewing / playing back, press Menu Exit Button to return to standby mode.

Note :

In standby mode, you can press Playback Button to take a shortcut to preview mode.

G. Erasing Pictures / Video

1. While viewing picture / playing back video, press Delete Mode Button.
2. There are 3 options for your selection.
 - ~ Yes : Delete current picture / video
 - ~ No (default) : Cancel erasing and return to preview mode
 - ~ All Images : Delete all pictures and video in the memory card
3. After erasing pictures / video, it will remain in preview stage. You can continue to view / playback other pictures / video or press Menu Exit Button to return to standby mode.

Note :

All erased pictures / video cannot be restored. Please perform back-up procedure if necessary before delete any picture / video.

H. Voice Recording

- Start Recording Voice

1. Press Menu Button and go to Digital Voice. Press OK Button.
2. To start voice recording, press Shutter Button. Timer starts counting recording time.
3. To stop, press again the Shutter Button. The recorded voice will be saved as WAV format in the memory card.

Note :

In using a 32MB SD memory card, it can record around 64 minutes.

- Voice Playback

1. Press Menu Button and go to Sound Replay. Press OK Button.
2. Press Playback Button to start playing back the last recorded voice.
3. To playback previous or next recorded voice, just press Previous Button / Next Button.
4. To return to standby mode, press Menu Exit Button.

- Erase Recorded Voice

1. While playing back recorded voice, press Erase Mode Button.
2. There are 3 options for your selection.
 - ~ Yes : Delete current playing back recorded voice
 - ~ No (default) : Cancel erasing and return to playback mode
 - ~ All Audios : Delete all recorded voice in the memory card
3. After erasing, it will remain in playback mode. You can continue to playback other recorded voice or press Menu Exit Button to return to standby mode.

Note :

All erased recorded voice cannot be restored. Please perform back-up procedure if necessary before any erasing.

I. Connecting with Your TV / VCR

1. Connect the black plug of the Video Output Cable into the Video Output Port on the camera.
2. Connect the yellow plug of the Video Output Cable to the Video-in Plug on your TV / VCR.
3. Press Menu Button and go to TV Out Mode. Press OK Button.
4. Select either NTSC or PAL to match your TV / VCR system.
5. And now, you can view photos or playback video in your TV with larger view.

J. Format Memory Card

1. Press Menu Button and go to Card Format. Press OK Button.
2. Select Yes to start formatting the SD memory card in the camera.
3. After that, it will return to standby mode.

Note :

When format completed, it would erase all pictures, video and recorded voice in the SD memory card. Please perform back-up procedure if necessary before formatting the memory card.

K. Check Memory Capacity

1. Press Menu Button and go to Memory Status. Press OK Button.
2. It will show the remaining memory capacity and % used of the SD memory card.

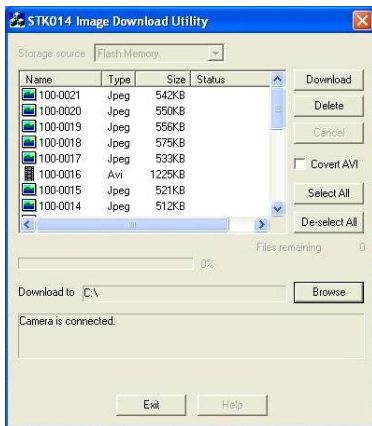
Note :

In standby mode, an icon  also shows the status of memory capacity.

Driver & Software Application Installation

A. Driver Installation

1. Close all working programs before installing the driver, and do **NOT** connect the camera with the computer.
2. Insert the CD driver into the CD-ROM drive.
3. Open the **DRIVER** directory and double click **STK014.exe**.
4. Computer will install the driver automatically.
5. Connect the camera with provided USB cable to one of your PC USB ports. Your PC will auto detect the camera and install necessary files.
6. After that, below window will be pop-up.



B. Transferring Files

- Downloading Files from Camera
 1. Connect the camera with the computer through USB cable.
 2. A Image Download Utility window (as above) will be pop-up.
 3. You can download the files from the camera to the computer by using this utility.

- Downloading Files from SD Memory Card

You can remove the SD memory card and use a SD memory card reader to transfer files from the SD memory card to computer.

- Removable Disk

Connecting the camera to the computer and it will switch the camera to mass storage mode automatically. You can find a new Removable Disk icon in My Computer. You can transfer files between the computer and the SD memory card.

C. Software Application Installation : LOVER'S EYE 2.0

1. **Close all working programs before installing the driver, and do NOT connect the camera with the computer.**
2. Insert the CD driver into the CD-ROM Drive.
3. Open the **LOVER'S EYE 2.0** directory and double click **Install.exe**. A Select language dialogue window pops up. Select the language (English, Traditional & Simplified Chinese) you need and click "**OK**". It will automatically install the software.
4. After installation, you have to restart the computer in order to complete the installation procedure.
5. Connect the camera with provided USB cable to one of your PC USB ports.
6. Now, you can use the camera as a PC camera with this software. You can also edit your photo with this powerful software.

**** To learn more about the features of Lover's Eye 2.0 application software, please go through the HELP topic after running the program.**