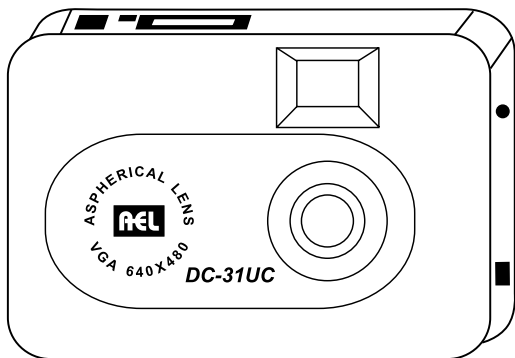


# DIGITAL & PC CAMERA

## USER'S GUIDE



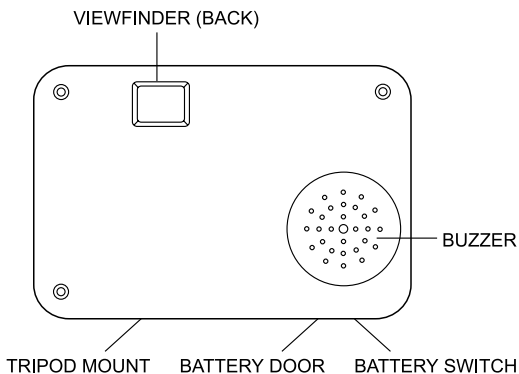
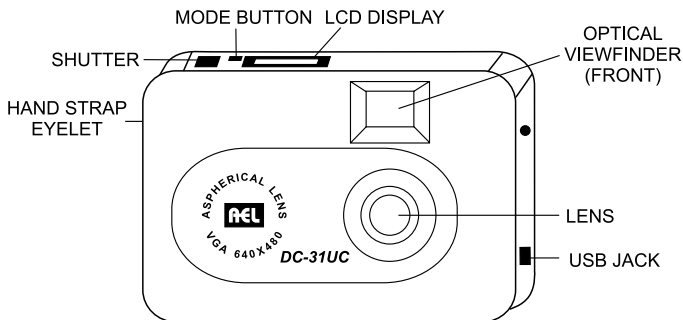
**MODEL: DC-31UC**

# First Things First

## Unpack the Camera and Accessories

1. Digital Camera
2. USB Serial Cable
3. Camera Stand
4. User's Guide
5. Image Editing Software (optional) & Driver Software CD-ROM

## Camera Details




## Power Supply

The DC-31UC digital Camera features two ways to supply power to it, either using 4 batteries (size AAA) or via the USB connector when attached to a Computer. Make sure that battery switch is on. The battery switch is located on the bottom of the camera, next to the battery compartment cover. If the LCD is blank, then pressing the Mode button will switch the camera on. The camera will beep tone. The LCD will briefly indicate the camera mode.

### Inserting Batteries

- Turn Off Battery Switch
- On the bottom of the camera, press and slide the Battery chamber cover out toward the direction of the large arrow to open it. A click can be heard when the compartment is released.
- Insert four (4) AAA batteries. Make sure to match the positive and negative ends of the batteries to the markings on the underside of the battery chamber cover (+ and -).
- Close the battery chamber cover by pushing down firmly and sliding it back until the latch closes with a click. Secure the battery chamber door in place with the small lock switch indicated on the bottom of the camera, next to the battery cover.

### Important Operation Notes:

- Never turn off the Battery Switch or open the battery chamber cover when you have pictures remaining in the camera. Doing so will cause all of the pictures to be lost!
- Low battery warning: When the LCD display “” icon will blink and buzzer sound. While power of battery is empty, system will stop capturing and power off at once, please upload all of pictures in the camera to your computer as soon as possible. Not doing so may cause all of the pictures to be lost!
- Never use manganese batteries.
- The camera will not work if the batteries are inserted incorrectly.
- Don't use rechargeable batteries.
- Never mix old batteries with new ones.
- Never mix batteries of different types.
- Never destroy batteries or dispose of them by fire. Doing so can cause an explosion or leak caustic materials into the environment.

### Auto Power Off

To conserve energy, the camera goes into “standby” mode automatically if no buttons are pressed for about 20 seconds, the LCD will go blank. Pressing the Mode button on the top of the camera will turn it back on and any pictures taken will remain. The camera is restarted now.

## Taking Pictures

- Frame the image to be taken by looking through the optical viewfinder. Use the edge of frame indicators visible through the viewfinder to enclose the image you want to take. The actual picture captured will be about equal to or slightly larger than what you see in the optical viewfinder.
- Pressing the Mode button repeatedly cycles through additional features as displayed on the LCD. When a given feature is displayed it may be selected by pressing the shutter button.
- If an option is not selected within 5 seconds the display will revert to showing the number of available pictures.
- When you are ready, press the shutter button to take a picture. The camera will beep.

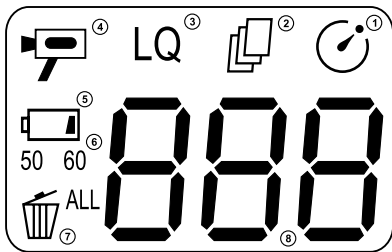
## Resolution & number of pictures table

Model	Hr Mode/Pictures	Lr Mode/Pictures
DC-31UC	640 X 480 / 75	320 X 240 / 300

## Tip



- Mixing the storage of 'Hr' & 'Lr' pictures is OK in the same picture taking session.

## LCD display



1. **Self-timer:** self timer for a period delay to take a snap shot.
2. **Continuous snap shot:** continuous snap shot.
3. **Hi/Low quality:** no icon for hi-quality, just show "LQ" for low quality. Hi quality for full resolution, low quality for half resolution.

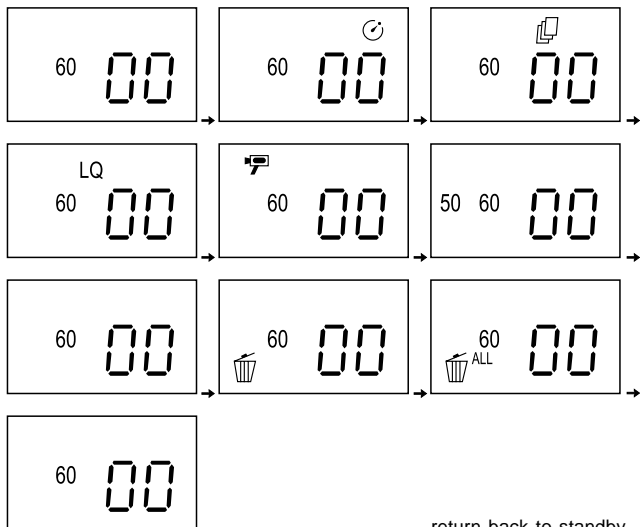
- AVI:** Video record about 7 frame for all resolution.
- Battery detection:** Low battery detection and 3 steps. Auto alarm to showing low battery message and then stops capturing.
- 50/60:** 50 for 50Hz electrical power frequency, 60 for 60Hz electrical power frequency. Correct setting will not cause flicker on image.

7. **Delete last/all:**  " for delete last picture,  ALL " for delete all.

8. **Picture number/pc/memory full:** It will show picture number at DSC mode, and show "PC" when pc mode. When memory full at DSC mode will show "FUL" and alarm sound.

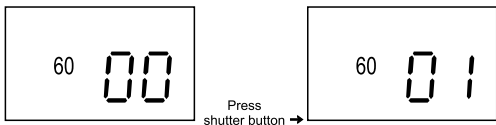
### OPERATION

- Press the mode button for a while until power up.
- Press shutter button can take a picture, or press mode button quickly can enter mode setting.
- The mode setting operation is a cycle loop, so press shutter button every time enter the other mode, the loop is

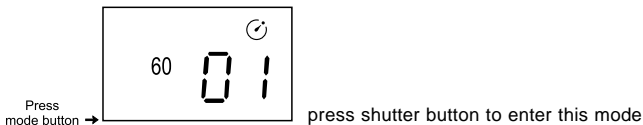


return back to standby

4. When enter mode change, if no buttons pressed for a while, will escape from mode change to standby.
5. If change mode by mode button, the LCD will blink, if press shutter button will enter (select) this mode.
6. When standby press shutter button can take a picture.

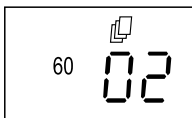




7. When standby press mode button can enter mode change



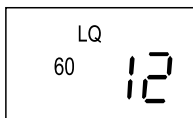
Now enter self-timer.

8. When standby press mode button twice to mode: continuous snap shot mode.



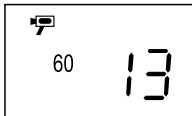
now “” blinking, press shutter button to enter this mode after “” not blinking. Press shutter button taking 3 pictures.

9. If enter “LQ” mode, means low resolution will show

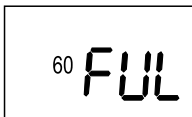


now re-enter the standby and wait shutter button or mode button.

10. If enter "Video" mode



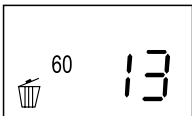
press shutter button and don't release will recorded, release shutter button or memory full to stop. If memory full will show



and alarm sound.

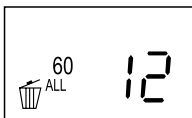
11.If enter the 50/60 mode, press shutter button to select either one mode. The 50 or 60 select match the nation power frequency is necessary to avoid flicker on picture.

12.If enter delete last mode will show



and delete last picture then quit this mode.

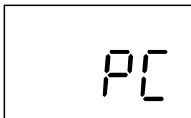
13.If enter delete all mode will show



enter this mode the picture number will

blink and wait shutter button press, if press shutter button for a while will hear sound tone from low to high then the picture number will reset to zero. It completes the “delete all” execution steps. If no button pressed for a while, return back to standby.

14.If connect to PC and enter P-cam mode, will show



## Software

Introduction to camera's TWAIN Driver

A TWAIN driver is a standard software protocol and API for communication between Windows software applications and image acquisition devices (digital cameras and scanners). The TWAIN driver is the software that transfers photos from the digital camera into image-editing software.

## Installing TWAIN Driver & Application Software

First, you need to install the TWAIN driver before you can use the camera with your Computer.

### TWAIN Driver

#### WINDOWS 98 & 2000

- Put the installation CD in the CD-ROM driver, the windows will automatically run the setup program, or you can run the AUTORUN.EXE manually.
- Select “INSTALL TWAIN DRIVER” to install the camera driver.

### Application Software

#### WINDOWS 98 & 2000

- Select “INSTALL APPLICATION”
- Enter the destination directory to which you want to install. The default destination directory is C:\Program Files\AuraCam.

## Tip

- The camera driver is the base component, you must install this component, otherwise your camera will not work correctly with Windows.
- The camera requires only standard USB and TWAIN drivers to work with any WINDOWS 98 or above standard compliance video and imaging application.

## Uploading pictures from the camera to your Computer

For use with a USB connection, WINDOWS 98 or better is required to upload pictures from the camera to the computer. Stored pictures may be uploaded to a computer at any time whether or not the camera is full.

- Connect USB Cable between your computer and the camera, the camera will beep tone.
- Double click the AuraCam icon which on desktop to start the application software.
- Select "Select Source" in "File" item
- Select "AuraCam S1.0"
- Select "Get Pictures" in "File" item to upload pictures to the computer.

## Tip

**Plugging the USB connector into the camera will cause it to reset and issue a double beep but all stored pictures will remain. When the USB connector is unplugged the camera will switch itself off. When connected to the Computer again, the camera may still be used in the normal way.**

## References

### Specifications

**Product Type:** Digital Camera

**Imaging Device:** 1/3-Inch CMOS

**Take Picture Mode:** Single/Self-Timer/Continuous/PC Camera/Capture & AVI files

**Image Quality:** Fine/Normal

**Image Resolution:** 640x480 pixels (VGA)

**PC Camera Resolution:** 640x480 pixels (VGA)  
320x240 pixels (QVGA)

**Recording System:** Digital (24 Bit Color RGB Bmp based)

**Recording Medium:** 8 Mbytes SDRAM

**Erase Function:** Clear all Images

**Computer Interface:** USB

**Focal Length:** 6.57mm

**Aperture:** f=3.2

**Focus Range:** 0.65m ~ infinity  
**Shutter Speeds:** 1/20 ~ 1/1000 second (Auto)  
**LCD Monitor:** B/W indicator  
**Power Source:** 4x1.5V AAA-size batteries  
**Operation temperature range:** 5 ~ 40°C  
**Weight:** about 100g without batteries  
**Dimensions:** 62(H) x 92(W) x 26(D) mm max.

• **Design and specifications are subject to change without notice.**

## Troubleshooting

**Q:** The camera doesn't come on when I turn on the Battery switch.

**A:** The batteries are missing, dead, or are not loaded correctly. Correctly load new batteries into the battery chamber.

**Q:** The camera's power supply suddenly turned off.

**A:** Most likely, the batteries you have are getting too weak to sustain operation of the camera. Please replace old batteries with new.

## Tips

- Check the LCD display. If the number of pictures is flashing upload all pictures to your computer as soon as possible and replace old batteries with new.
- Make sure that you are not using rechargeable batteries. Replace rechargeable batteries with normal batteries immediately.

## Taking care of your camera

Your camera is a precision designed instrument, If cared for and properly handled, the camera should give years of trouble free Imaging. In order to avoid damaging the unit:

### Do Not

- Drop or bang the camera.
- Drop into water or expose the camera to excess moisture, rain or splashing. Your camera is not waterproof and is particularly susceptible to water damage.
- Subject the camera to extreme high or low temperature and/or humidity. Your camera's batteries will not function properly in extreme conditions. Excessive temperature and humidity may cause serious damage.
- Subject a camera to excessive vibrations. When you travel, always make sure to use the carrying case, and pack the camera where It will not be subjected to a lot of jarring movement. This could loosen screws or damage internal camera components.

**Do**

- Make sure any tripod used has a screw that fits the camera's tripod mount appropriately. A longer tripod screw could puncture and damage the camera's casing and internal structure.