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A7-D601AE0302

Lmini 350K Flash  
Digital Camera  
User's Manual



**LARGAN**  
Digital

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**Thank you for choosing the Largan Lmini 350K Flip Digital Camera. Before using your camera, please read this manual carefully.**

## 1. INTRODUCTION

### 1.1 Features

- 1.1.1 2MB flash memory: can store up to 32 high quality pictures or 64 normal quality pictures
- 1.1.2 24-bit true color.
- 1.1.3 Resolution: 640 x 480 (VGA). 350,000 Pixels
- 1.1.4 Flash: three selections of AUTO/ON/OFF.
- 1.1.5 Selftimer: 10 second timer delay.
- 1.1.6 Focus Range: 60cm~infinity
- 1.1.7 Electronic Shutter: 1/30~1/10000 secretary
- 1.1.8 Erase the Image: Two selections of ALL/LAST.
- 1.1.9 Power supply: Battery CR123A or AC Adapter 50/60 Hz, DC 3V1.2A.
- 1.1.10 RS232 serial port transfer.
- 1.1.11 Automatic energy saving function: The power will be shut down if there is no operation for 2 minutes.

### 1.2 System Requirements

- 1.2.1 WINDOWS 95/98 , NT or WINDOWS 3.1
- 1.2.2 PC 486 or higher.
- 1.2.3 Minimum 8MB RAM.
- 1.2.4 VGA monitor (SVGA is recommended).
- 1.2.5 Hard disc with at least 10MB free space.
- 1.2.6 CD ROM driver.
- 1.2.7 Floppy disk driver.

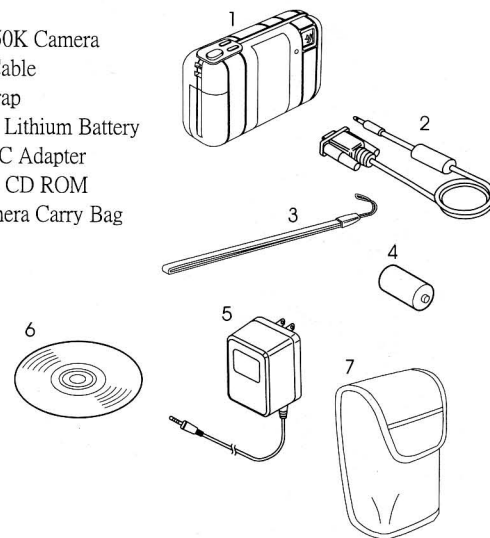
## 2. PREPARATION

### 2.1 Check the Accessories

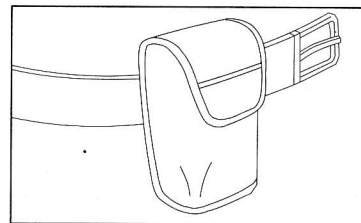
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Camera Registration Card (Page 18)

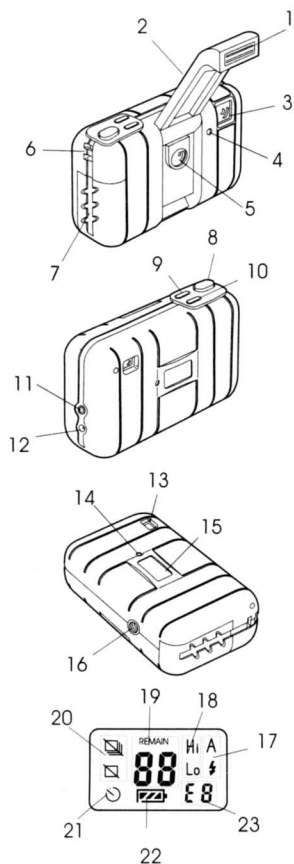
- 1. Lmini 350K Camera
- 2. RS232 Cable
- 3. Wrist Strap
- 4. CR123A Lithium Battery
- 5. 3 Volt AC Adapter
- 6. Software CD ROM
- 7. Soft Camera Carry Bag



\*The soft carry bag can be attached to a belt.



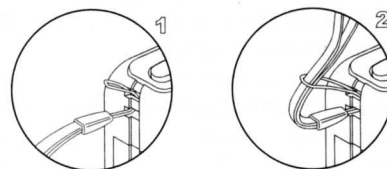
## 2.2 Names of functions and parts



1. FLASH
2. FLASHCOVER  
(MAIN POWER SWITCH)
3. FINDER
4. SELF-TIMER INDICATOR
5. LENS
6. WRIST STRAP HOLE
7. BATTERY COVER
8. SHUTTER BUTTON
9. MODE BUTTON
10. SELECT BUTTON
11. RS232 JACK
12. DC 3V JACK
13. VIEWFINDER
14. BUSY INDICATOR
15. LCD PANEL
16. TRIPOD SOCKET
17. FLASH MODE
18. RESOLUTION MODE
19. PICTURES COUNTER
20. ERASE MODE
21. SELF-TIMER MODE
22. BATTERY LEVEL
23. ERROR MESSAGE CODE

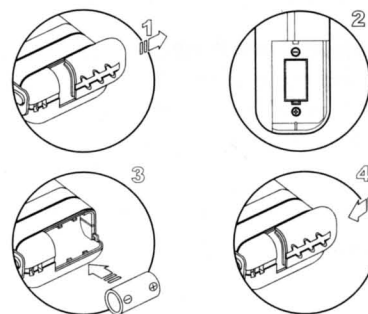
## 2.3 Install the Wrist Strap

1. Grab the thin end of the wrist strap and push in through the wrist strap hole as noted in figure #1 below.
2. Taking the other end of the wrist strap, pull it through the opening of the thin end as shown in figure #2 below.



## 2.4 Install the battery

- 2.4.1 Close the flash cover if it is open. Push the battery cover in the direction noted in figure #1 below and remove it.
- 2.4.2 You will observe the polarity markings "+" and "-" in the battery compartment after you remove the battery cover. (Figure #2)
- 2.4.3 Insert the battery according to the polarity indications. (Figure #3)
- 2.4.4 Replace the cover of the battery compartment. (Figure #4)



### 2.4.1 Notes On Battery Usage

1. Check the positive (+) and negative (-) polarities of the battery for the correct installation in the camera.
2. The battery compartment will get warm when the camera is used for a long period of time. This is normal.
3. If you are not using the camera for a extended period of time, remove the battery to avoid leakage.
4. Do not charge or disassemble the batteries. Avoid short circuiting of the battery by not contacting the positive and negative polarities. A safe method is to place a piece of tape over the positive terminal.
5. Keep the batteries away from heat sources and dispose of them properly.

### 2.4.2 Notes For Using the AC Adapter

1. To avoid the risk of fire and electric shock do not plug the adapter into a wall or power strip receptacle with the voltage higher than the input voltage noted on the adapter provided with your Digital Camera.
2. Always hold the body of the adapter when you remove the adapter from the wall or power strip receptacle. Do not pull on the cord.
3. The adapter will get warm after operating for a while. This is normal.
4. Turn the camera power off and unplug the adapter from the wall or power strip receptacle when the camera is not in use.
5. To avoid the risk of electric shock or damaging the product, do not connect, plug, or operate your Digital Camera when your hands are wet.

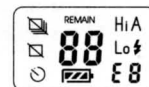
## 3. OPERATION

### 3.1 Power Switch

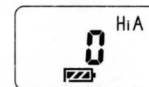
- 3.1.1 Check whether the battery is installed or the AC adapter is connected, and then open the flash cover to turn the power on to the camera.



- 3.1.2 The camera will perform a selftest and the control panel will show all the function indications within 3 seconds.

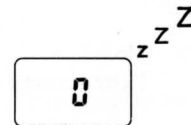


- 3.1.3 The control panel will show the initial setting modes when the selftest is completed:
- Hi.....High resolution
  - A.....Automatic flashing
  - Picture Counter.....Display the Number of pictures taken
  - Battery level.....Indicates current battery level



- 3.1.4 Energy saving device -POWER DOWN

1. The camera beeps twice when it's not operated for 2 minutes, and then enters the POWER DOWN MODE (the LCD will only display the picture counter to save energy).



- \* If you are not taking any more pictures, please turn off the power to save the battery.
2. To resume function of the camera while in the POWER DOWN MODE, just press any button (the camera will not perform the function of this button at this time).

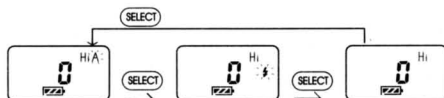
### 3.2 Select Modes

There are five modes on the control panel to choose from. You can switch between the modes with the MODE button and the SELECT button.

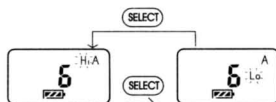


- \* Press MODE button to switch modes , then the graphic of LCD will flash , you can also take a picture at the same time.
- \* Press SELECT button to choose the function of a mode.

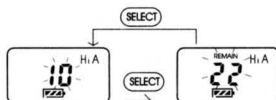
Mode 1  
Flash indicator



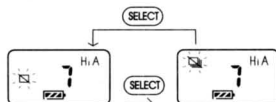
Mode 2  
Resolution



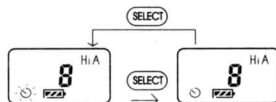
Mode 3  
Pictures counter



Mode 4  
Erase



Mode 5  
Selftimer

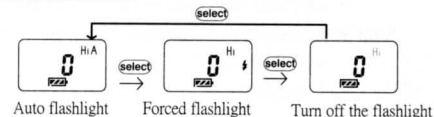


### 3.3 Control Panel

#### 3.3.1 Flash

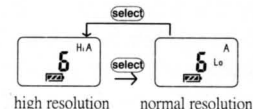
Press the MODE button to enter this mode. Then press the SELECT button to choose the following functions:

1. LCD displays A : Enable auto flash
  2. LCD displays ⚡ : Enable forced flash
  3. Neither A nor ⚡ is displayed: Flash is turned off
- \* Effective range of the flash is between 3-12 feet (0.8m-3m) , 1.8m-2.0m is best.



#### 3.3.2 Resolution

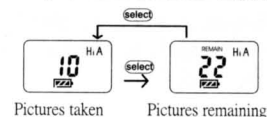
Press the MODE button to enter this mode. Switch between Hi (high resolution) and Lo (normal resolution) with the SELECT button.







#### 3.3.3 Pictures counter - taken/remaining

Press the MODE button to enter this mode. You may change the displays of pictures counter between "Pictures taken" and "Pictures remaining" with the SELECT button.




1. Pictures taken (This is the initial setting): The LCD display shows the number of pictures taken when the camera is on.
2. Pictures remaining: you may choose to show the remaining picture memory space in the LCD display.

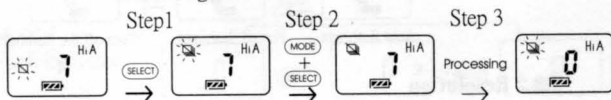


### 3.3.4 Erase Picture




When you press the MODE button to enter the erase mode the icon erase-last  or  eraseall will flash. You can use the SELECT button to choose  or  function.

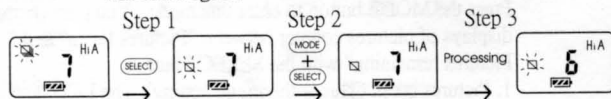
#### 1. Erase all pictures


- Step 1 Select  with the SELECT button so that  flashes
- Step 2 Press and hold both the MODE and SELECT buttons simultaneously until the icon stops flashing (about 2 seconds) then release the two buttons.
- Step 3 It needs approximately 30 seconds to process. And  will flash again.





#### 2. Erase last picture

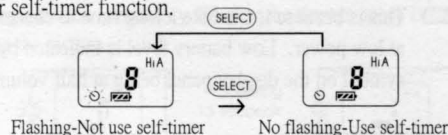
- Step 1 Select  with the SELECT button so that  flashes
- Step 2 Press and hold both the MODE and SELECT buttons simultaneously until the icon stops flashing (about 2 seconds) then release the two buttons.
- Step 3 It needs approximately 5 seconds to process. And  then will flash again.



**CAUTION** :Please do not shut down the power of the camera while deleting the image . If you restart the power , the LCD display panel will come out with a flashing symbol "  " showing that the camera is deleting the rest images and the camera can be reusable upon completing the deletion.

### 3.3.5 Selftimer

- Press the MODE button to the self-timer mode until the self-timer  symbol flashes.
- Press the SELECT button to confirm using self-timer mode (the self-timer  symbol will stop flashing) and the camera is ready for self-timer function.








- The camera beeps when you press the shutter button. The self-timer LED functions as follows:

\* The LED slowly flashes for 5 seconds then quickly flashes 3 more seconds, and then keeps the same speed for 2 seconds (about 10 seconds totally). When the self-timer finishes the camera beeps and the self-timer LED will stop followed by the self-timer symbol disappearing. Repeat the above steps if you want to take another picture with the self-timer function.

press button → 5sec slowly → 3sec quickly → 2sec same speed → shoot

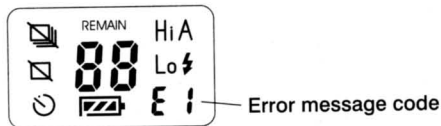


### 3.3.6 Battery level

1.  The battery level is high.
2.  the battery is nearly exhausted.
3.  the battery needs to be replaced soon.
4.  the battery needs to be replaced immediately.
5.  This is because it can take a long time to charge up the flash at low power. Low battery level is indicated by the battery symbol on the display panel being at half volume.

### 3.3.7 Error message code

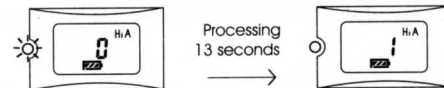
If the LCD display shows error message code at its lower right corner within 2 seconds after the camera is turned on, there is a problem with the camera. In this case, please send the camera to an authorized service center for repair.



- E 1 : Faulty DRAM
- E 2 : Faulty FLASH MEMORY
- E 3 : Both faulty DRAM and FLASH MEMORY
- E 4 : Faulty CCD DRIVING
- E 5 : E4 + E1
- E 6 : E4 + E2
- E 7 : E4 + E3

## 4. PICTURE TAKING

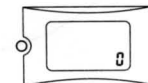
- 4.1 Depress the shutter button to take a picture. The camera beeps and the RED BUSY LED flashes while processing the image (within 13 seconds) to save it. The camera will beep again and RED BUSY LED will go off when the processing is finished. (if it doesn't beep, the compression is probably failed or the storage space is full. Try taking the picture again.)



- 4.2 When the RED BUSY LED is flashing you can not take another picture until the RED BUSY LED goes off.
- 4.3 When the camera is processing the image, do not remove the battery or unplug the AC Adapter. The last picture will not be saved and severe damage may occur to your camera or already saved pictures in your Digital Camera.

#### \* Notes for Picture Taking

1. Look through the viewfinder and aim the camera at the subject you want to capture. Center the subject in the viewfinder. For best results the optimum distance between the camera and the subject should be around 2.2m. Care should be taken when shooting at closer distances, because of the increasing chance of the image appearing off-centre.
2. Don't look directly at the sun through the viewfinder.
3. When you press the shutter button, the vibration of the camera can cause a fuzzy picture. Avoid moving the camera when you press the shutter button.
4. When the result of surveying the environment by the camera is under stable status, there will be a message symbol "0" shown up on the right bottom corner of the LCD display panel.





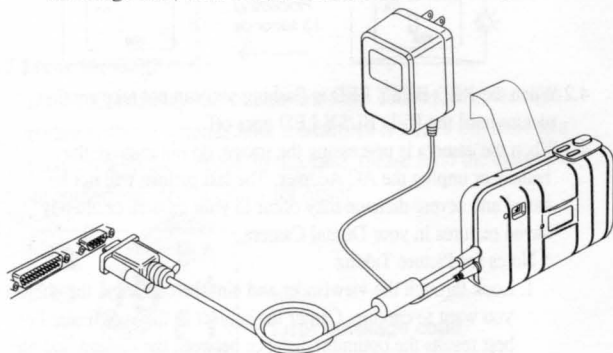
## 5. CONNECTING TO THE PC

5.1 Image transfer from the camera to the PC requires a lot of power.

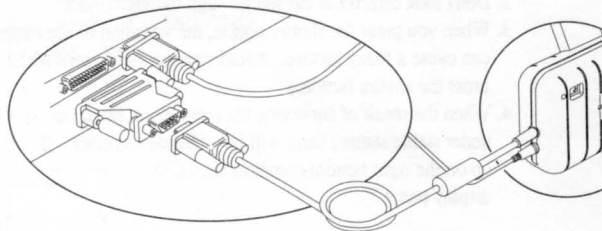
It is a good idea to connect your AC adapter when transferring images.

5.2 Connect the accessory RS232 to the PC.

\* Do not unplug the power cord, turn off the power, or change the setting of the function selector when the camera is transferring the image data, otherwise, the camera could be damaged.



5.3 If your computer does not have a 9-pin (male) connector please use a 9-pin (male) to 25 (female) converter to connect the computer.



## 6. CARE AND STORAGE

6.1 Workable temperature range: 0° to 40° C (32° ~ 104° F)

6.2 Workable humidity range: 45% ~ 85%

6.3 Do not use or store the camera in a place that is:

6.3.1 in direct sunlight

6.3.2 in high humidity or heavy dust.

6.3.3 near an air conditioner, heater, or other heat source.

6.3.4 in a closed structure, especially a car that is subject to direct sunlight.

6.3.5 vibrating seriously.

6.4 If the camera gets wet, wipe it with a dry towel as soon as possible. The salt in seawater can be especially damaging.

6.5 Do not use organic solvents, such as alcohol, or paint thinner when cleaning the camera.

6.6 If the lens or the viewfinder becomes dirty, clean it with a lens brush or soft cloth. Never touch the lens or the finder surface with your fingers.

## 7. GENERAL NOTE

- 7.1 To avoid electric shock, do not open the case of the camera or attempt to repair the camera by yourself.
- 7.2 Moisture can raise the risk of fire or electric shock. Keep the camera in a dry and cool place.
- 7.3 Do not use the camera outdoors in rain or snow or on the beach.
- 7.4 In case foreign objects or water gets on camera, turn the power off and take out the power source (battery or the AC adapter) immediately. Remove the objects or water or send the camera to the service center for repair. Otherwise, the objects or water could cause the risk of fire or electric shock.
- 7.5 If smoke or strange smell comes from the camera when the power is on, please turn the camera off. Take out the battery or unplug the AC adapter immediately to avoid the risk of fire or electric shock.. Send the camera to a service center for repair.
- 7.6 The physical damage of the camera or improper operation could cause deletion of image data in the memory of the camera. Transfer the image data to the storage device in the PC as soon as possible to avoid the loss of image data.

## 8. WARRANTY

### Limited USA One (1) Year Warranty

Largan, Inc. 250 Mill Street, Rochester, NY 14614 ("Largan") warrants that the product set forth below, IF PURCHASED IN THE UNITED STATES, will be free from defects in materials and workmanship for the period of one (1) year from the date of original purchase under the following terms and conditions:

1. To obtain service under this warranty, send or deliver this product, within the warranty period together with this warranty certificate, to any Largan Office or authorized warranty service center in the United States. If requested by Largan or a Largan authorized service center, you must also present proof of purchase showing the date of purchase and, if not prohibited by local law, pay a handling fee.
2. If, upon inspection by Largan or a Largan authorized warranty service center, the product is proved to be defective, it will be repaired without charge using new parts or comparable used parts that been fully reconditioned. After the repair, the product will be returned to you in good condition. Where not prohibited by local law, a shipping and handling charge may be imposed for the return of the product to you. The warranty period for replacement parts shall extend for a period of six (6) months following the date of repair or for the remaining period of this original warranty, whichever is longer.
3. The Warranty does not apply to (a) damage to the product due to mishandling, accident, sand or liquid (moisture) damage, alteration or tampering, battery or chemical corrosion or failure to follow the

written operating and maintenance instructions included with the product; (b) damage caused by service performed by other than Largan or authorized service centers; or, (c) if the product has had its serial numbers removed or tampered with; or, (d) damage, defect or unsatisfactory performance caused by the use of equipment not manufactured or sold by Largan.

4. Any implied warranties for this product, including warranties of merchantability and fitness for use or purpose, are limited in duration from the date of purchase, and no warranties, whether expressed or implied of the fitness or merchantability will apply after this period. No express warranty or guaranty, except as set forth above, given by any person, firm or corporation with respect to this product shall bind Largan.
5. In no event will Largan be liable for any damage, including the loss of a computer, other expenses or inconvenience, lost profits, or lost savings, other consequential or incidental damages arising out of the use or malfunction of the product due to hidden defects therein, or by breach of this warranty either implied or expressed for this product, whether due to negligence even if Largan or an authorized warranty service center has been advised of the possibility of such damages.
6. Application Software: For application software, contact the software manufacture, systems integrator or dealer for specific details on support and warranty details.

Serial Number	Date of Purchase	Product No: D601A Lmini350K Flip
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## CAMERA REGISTRATION

Include a copy of your sales receipt.

Model Name: Lmini 350K Flip Serial No: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

☐ Mr. ☐ Mrs. User Name \_\_\_\_\_ Title \_\_\_\_\_

Company/Org \_\_\_\_\_ Phone \_\_\_\_\_

Age ☐ 1-21 ☐ 22-35 ☐ 36-50 ☐ 50+

Address \_\_\_\_\_ Fax \_\_\_\_\_

Status ☐ Married ☐ Single

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

e-mail \_\_\_\_\_

How did you learn about this camera?

☐ Advertisement ☐ Catalog ☐ Internet ☐ Word of Mouth

☐ Trade Show ☐ Store Front ☐ Seminar ☐ Archiving ☐ Article

☐ Other \_\_\_\_\_

What is your computer platform?

☐ Windows ☐ MAC ☐ Other

Why did you buy this product?

☐ Largan Brand ☐ Camera Size ☐ Price ☐ Software

☐ Features ☐ Product Review ☐ Other (specify) \_\_\_\_\_

Where do you plan to use the camera?

- ☐ Fun   ☐ ID Photos   ☐ Business Report   ☐ School Reports  
☐ Online Publishing   ☐ email   ☐ Newsletters   ☐ other \_\_\_\_\_

How much RAM is in your computer?

- ☐ 1-8 MB   ☐ 8-12 MB   ☐ 13-16 MB   ☐ More than 16 MB

Comments/Suggestions: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If you would like more information on other Largan Digital Products,  
please visit our WEB Site:

[Http://www.Largan.com](http://www.Largan.com)

MEMO

MEMO