

Digi-Lite™ Solar



www.trailervision.co.uk

Digi-Lite™ Solar

Solar Powered Digital Wireless Camera System

User Manual



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Welcome

Thanks for buying Digi-Lite™ Solar. Please read this User Manual carefully before using this product.

The Digi-Lite™ Solar digital wireless reversing camera system can display the rear view image when reversing and/or when driving forwards. However, to preserve camera battery power the camera/monitor switch off, automatically, after approx 45 seconds. For a powered 'permanent rear-view' system please see Digi-Lite™.

Notice:

* Digi-Lite™ Solar may be changed/improved at anytime, we therefore reserve the right to modify and update the system specifications without prior notice.

Digi-Lite™ Solar is suitable for passenger cars, light vehicles and caravans/trailers.

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1. Number Plate Holder with Camera and Solar Panels



2. 4.3" Monitor & Dash Mount



3. Additional Mounts of Monitor



4. Cigarette Lighter Power Adapter (& USB socket)



5. Camera Charging Lead



6. Screws



7. Screwdriver

(For Monitor Holder & Vent Screw)



02. GETTING STARTED

Remove the product packing and ensure that all components are included.

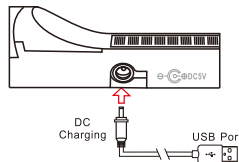
Charge the Camera (with number plate holder)

1. Connect the USB charging lead to the camera.

2. Plug the cable USB port into any standard USB charging adapter with an output rating more than 1000mA.

3. Charge for approx 4-5 hours.

* During DC charging, the red LED will stay illuminated until charging is completed, it will then extinguish.



During normal use, the camera maintains a charge with exposure to sunlight. A battery status indicator is provided on the monitor when the camera is in use. If you store your car etc in a garage (or don't expose the camera to sunlight on a regular basis) for more than one month, you may need to recharge the camera via the DC charging port.

Check the wireless function

1. Move the camera (to trigger the built-in movement sensor).
2. Touch the **Touch-Switch** quickly and check the image after the monitor is powered.

Note:

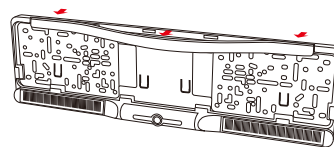
The camera is 'woken up' by movement/vibration.

* The Monitor will turn off after 10 seconds if the camera is in sleep mode - movement/vibration will cancel the camera sleep mode.

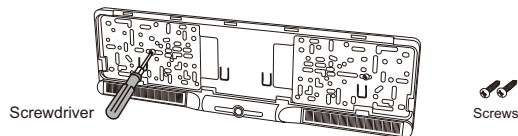
03. Number Plate Holder Installation

① Remove the cover strip from the number plate holder.

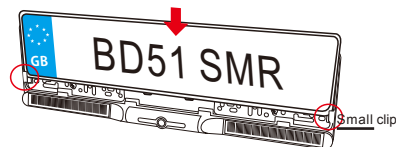
First remove the middle part of the cover strip, then remove the two sides of the cover strip



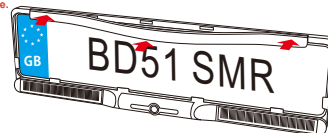
② Install the number plate holder using self-tapping screws, or double-sided number plate adhesive tape.



③ Insert the number plate into the holder, side clips first and then slide down under the bottom clips.



④ Insert the top cover strip's clips into the relative holes of the number plate holder then press firmly to secure. First press both ends of the cover plate, then press the middle to secure.



04. MONITOR MOUNT

1. The Monitor mounts can be attached to a air-vent, dashboard, or windscreen.

There are 3 types of mounting brackets to suit.



Stand mount



Vent mount



Suction cup mount



2. How to mount the brackets:

1) The factory default dash mount sticks on to the dash board: Choose and clean a suitable place on the dash board, remove the sticky tape backing and press the stand mount on to the dash board.

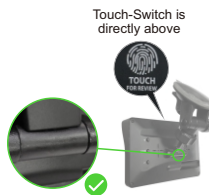


2) If using the suction cup mount:

Use suction cup mount to replace the default stand with a screwdriver.



Note: (Observed from the back of the monitor, If the roller cam is facing inward and the roller cam is in close contact with the groove of the bottom case of the monitor, the installation direction is correct.)



(As shown in the figure, the monitor is viewed from the opposite side. If the roller cam faces outward, The installation direction is wrong.)



Choose a suitable place on the windscreen, and mount the suction cup mount to the windscreen. With the suction lever in the released position, press the suction cup against the windscreen. Press the suction lever toward the suction cup to lock the mount. To adjust the angle of monitor, loosen the ball joint collar, retighten in the desired position.



3) The monitor can be mounted on the air vent of the air conditioner, which can avoid 'traffic violations' (some countries traffic laws do not allow installation on the windscreen or center console, as it may block the driver's view - in the UK please do not install within the sweep of the windscreen wipers):

① Make sure the cross position of the threaded base is correctly inserted into the cross groove of the monitor



the cross groove of the monitor

the cross position of the threaded base

② Use L-shaped screwdriver to tighten the screws



③ Insert the ball into the nut



ball

nut

vent mount

④ Press the vent mount ball inside the thread ed base forcibly



⑤ Rotate the nut and tighten it clockwise



⑥ By lifting up and down, the clamp can clamp or loosen the vent



3. Connect the cigarette lighter power adapter to the monitor.

05. Camera Angle Adjustment

1. Rotate the camera to achieve the best vertical viewing angle; turn the monitor on to check, via the Touch-Switch. The camera may need to be 'woken up' first.



ADJUSTABLE ANGLE FOR FLEXIBILITY

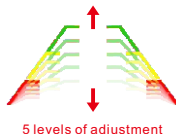
adjustable range 114°

When rotating the camera:
hold the number plate holder with one hand, and rotate up or down the outer frame of the camera with the other hand to achieve the best/desired view.

2. Parking Guideline Position Adjustment

The parking guideline position can be adjusted up or down, to match the camera's physical vertical adjustment. There are 5 levels.

For detailed operation methods, please refer to page P11.



06. OPERATION

Using Digi-Lite™ Solar

Turn on the vehicle's ignition and press the monitor Touch-Switch, the camera image will be displayed for approximately 45 seconds.



2. The monitor can be switched on via the Touch-Switch at any time while driving etc.

3. When the vehicle ignition is off, power is removed from the monitor, the monitor will switch off automatically, and the camera will stop working.

Note:

* If you want the camera to continue working after auto switch-off (for example, if you haven't finished reversing/parking the vehicle), you have to touch the **Touch-Switch** again.

* If there is no image on the monitor after touching the **Touch-Switch**, please provide a 'light vibration' (e.g. start the engine or re-open and shut the door), then touch the monitor **Touch-Switch**.

07. BUTTON & SETTING

Function Buttons - Rear of the Monitor.

1. The middle button-----[MENU/OK]:

Short Press to enter monitor menu setting.

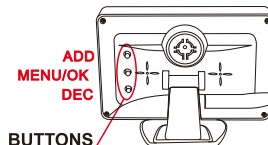
Long Press (press and hold for 3 seconds) to confirm the chosen item in the menu setting interface.

2. The Up button-----[ADD]:

Short Press to change/add parameter value at the menu setting interface.

3. The Down button-----[DEC]:

Short Press to change/decrease parameter value at the menu setting interface.



While the monitor is showing the rear view camera image again, short press [MENU/OK] to enter the main menu interface, select the "Image Mirror" icon and long press [MENU/OK], to set upwards or downwards image. After setting, short press it twice again continuously to exit the setting.

It is best to have a video image displayed when making this selection.
(**Short Press** means press and hold 1 second, and **Long Press** means 3 seconds).



Only Short Press DOWN button [DEC] to switch the Parking guide Lines display modes (Display or No display)!



Menu Operations:

1. Main Menu

While the monitor is showing the rear image, short press the middle button [MENU/OK] to enter the main menu interface, and 4 options are available (Pairing, Image Parameters, Image Mirror, Software Information).



Pairing



Image
Paramete








Image
Mirror



Parking Guideline
Position Adjustment



Software
Information

					
Meaning	Pairing	Image Parameter	Image Mirror	Parking Guideline Position Adjustment	Software Information
Operating	Default setting, no need to operate again.	To adjust Brightness Contrast, Color. Operation details as Image Parameter info.	Set Upwards/Downwards or Normal/Mirror Image.	The parking guideline can be adjusted up and down as needed. Operation details as Parking Guideline Position Adjust info.	Select "Software Info", press [ADD] or [DEC] key to display software version information.

2. Image Parameter

While the monitor is showing the rear image, short press the middle button [MENU/OK] to enter the main menu interface. From the 4 options. Select Image Parameter, long press the [MENU/OK] button again, 3 Images(Brightness/ Contrast/ Color) setting interface are shown below:



Brightness



Contrast



Color

1) Brightness setting

Select Brightness icon, press [ADD] or [DEC] button to adjust the brightness as shown below:



10

2) Contract setting

Select Contract icon, press [ADD] or [DEC] button to adjust the contract as shown below:



10

3) Color setting

Select Color icon, press [ADD] or [DEC] button to adjust the color as shown below:



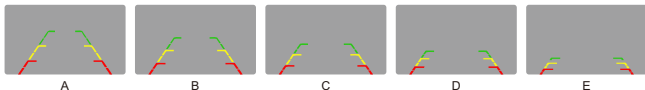
10

3. Image Mirror

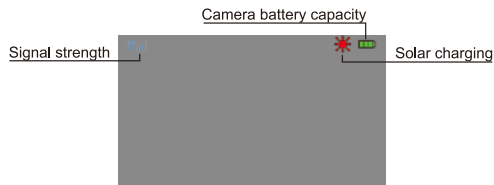
Select the "Image Mirror" icon and long press the middle button [MENU/OK] to enter the mirror setting interface, short press [ADD] or [DEC] button, to set rightwards or leftwards image. After setting, short press [MENU/OK] twice continuously to exit the setting, the image setting will be saved for future use.

4. Parking Guideline Position Adjustment

Select the "Parking Guide Position Adjustment" icon, then long press the middle button [MENU / OK] to enter the setting interface, short press the [ADD] or [DEC] button to choose the most suitable one from 5 levels, then short press [MENU / OK] twice continuously to exit the setting.



08. INTERFACE ICON & Meaning



 Signal strength  Solar charging  All-in-one Camera battery capacity



Low Battery Prompt:

When the built-in battery power is too low a warning message is displayed on the Monitor; please either ensure that camera solar panels are in sun-light, or charge the camera via the USB charging lead.

09. INFORMATION

Battery Icon is on the top right corner of the screen, indicates the relative capacity of the built-in lithium battery of the camera when a video image is present.

Signal strength of the received image is on the top left corner of the screen when a video image is present.

Red Indicator Light

When the monitor is powered on and still stay standby mode, the Red indicator Light doesn't work. When touching **Touch-Switch**, the Light will blink quickly. When the monitor works, the light will extinguish.

Wireless Camera

The Camera & Video transmitter are built-inside the **E43** device, and is equipped with the built-in rechargeable lithium battery, which is connected with the solar panel.

When the monitor is turned on, work command is sent to the camera, upon receive this signal, the camera will work from standby mode at once, and send image video to the monitor for the setting time.

A DC to USB charging cable is provided to charge the battery initially prior to mounting on your vehicle, as well as to recharge if needed.

10. SPECIFICATION

CAMERA

Operational Current(when transmitting): <280mA

Sleeping Current: <0.06mA

Pixels: 640×480

View Angle: Horizontal Angle 135° (V90° / D165°)

Image Sensor: 1/3" CMOS

Image Quality: Max 30 fps

Battery Capacity: 2100mAh

Camera Assembly: IP 67

TRANSMITTER

Frequency: 2400 ~ 2485.5 MHz

Effective Transmission Distance 57.5ft (17.5m) Max.

Working Temperature: 14° ~ 140°F (-10° ~ 60°C)

MONITOR

LCD Display Screen Size: 4.3 inches

Power Cord Fuse: 1A

Operation Current: <150mA

Effective Pixels: 480×272

The Setting Time of Image-Display: 45 Seconds each time

11. TROUBLE SHOOTING

◆ If the monitor doesn't turn on when power is applied:

1. Check to make sure the power source is active (if your cigarette lighter is switched with vehicle ignition, your monitor will only work when the engine is running or the key in the ON position).
2. Check to make sure the fuse and power cord are in working order.

◆ If the monitor doesn't display images within a few seconds after touching the starting button:

1. The battery in the camera may be depleted and require recharging.
2. The camera may be in 'sleep mode' and can be activated by 'light vibration'; start the vehicle engine, or open/close the vehicle door.

◆ If the video image is poor:

Check that the camera lens is clean from road grime, snow, or ice.

◆ If the video image does not last the setting time:

Recharge the camera battery.

◆ If there's no image after touching the Touch-Switch in a 'quiet environment' (no vibration at all), such as when testing inside.

'Vibrate' the camera, touch the powered Monitor **Touch-Switch** quickly (within 3 minutes of 'vibrating' the camera) to wake up the sleeping camera.

* Once installed and in use, 'small vibrations' will occur, when doors are opened, people touch the vehicle and even the engine operation. Therefore the camera will be in standby mode.

◆ If the battery capacity icon on the monitor shows that the camera's battery is low,

Check if the camera solar panels are covered with mud, water, dirt, etc. Please use a soft cloth moistened with a neutral detergent solution to remove dust or stains, so as not to affect the solar power generation efficiency.

12. CARE & MAINTENANCE

Cleaning

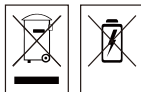
Do not use solvents or chemical materials to clean or wipe the Digi-Lite™ Solar camera (including the lens and all solar panels) If necessary, use a soft cloth moistened with a neutral detergent solution to remove dust or stains. Please regularly clean the camera lens and the solar panels.

Fuse Replacement

1. Turn the cap on the tip of the power plug counterclockwise (no tools needed).
2. Remove the cap, center pin and fuse.
3. Replace the 1A fuse.
4. Replace the center pin and cap. Turn the cap clockwise.

Disposal

Product packing is designed to provide years of service. It should be recycled or safely disposed of at a local recycling center.



13. DISCLAIMER

The Digi-Lite™ Solar Wireless Backup Camera is intended to assist the driver, but it does not relieve the driver from full responsibility for safe operation of the vehicle. It's the driver's sole responsibility to avoid contact with any objects, animals and especially persons. By installing and/ or using the Digi-Lite™ Solar Wireless Backup Camera, you agree that you are solely responsible for the operation of your vehicle, and are also responsible for any property damage, personal injury, or loss of life that may result from the operation of your vehicle.

Note:

*Some EU Countries may have regulations or laws that restrict the use of anything that might impair the clear view of a license plate.

Please check your local rules/regulations.

Warranty:

BE SURE TO KEEP A COPY OF YOUR SALES RECEIPT! STANDARD WARRANTY

If there is a defect or malfunction, we will replace it, or repair it free of charge:

PARTS: New or comparable rebuilt parts in exchange for defective parts for ONE YEAR from date of customer purchase.

Outside of Warranty:

Please contact us for advice / repair or replacement costs.

14. WARRANTY INFO

This warranty does not apply to persons who purchased this product second-hand or used.

This warranty does not apply if any parts have been damaged by accident, neglect, abuse or misuse.

THERE ARE NO OTHER EXPRESSED WARRANTIES EXCEPT AS STATED HEREIN. AFTER THE PERIOD OF EXPRESSED WARRANTY SET FORTH HEREIN, THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES AND THOSE EXCLUDED INCLUDE THOSE OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. The Supplier shall NOT be held liable for CONSEQUENTIAL DAMAGES resulting from any failure, defect or malfunction of this product. Some Regions do not allow limitations on how long an implied warranty lasts and some Regions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

WARRANTY PROCEDURES

TO OBTAIN SERVICE UNDER THE TERMS OF THIS WARRANTY:

Please Contact Us to discuss any faults, or problems with Digi-Lite™ Solar.

15. SUPPORT

Please contact:

Support@trailervision.co.uk

01733 246473

www.trailervision.co.uk