

# ***Solar Wireless Backup Camera & Monitor Kit***

*Product Manual / Installation Instructions*



*Please read this manual thoroughly before operating the device.*

*Keep it for future reference.*

As a brand manufacturer, we offer a 2-years warranty service. Please contact us if you meet any issues.

## 1. Product Certification

The system were Certificated by: CE & FCC & EMC & RoHS &

Waterproof



## 2. Package Includes

- Monitor
- Wireless Backup Camera&Magnetic Bracket
- Bracket for Monitor
- Cigarette Lighter Adapter
- USB Cables
- Antennas

# PACKAGE CONTENT

		
<b>Monitor</b>	<b>Wireless Backup Camera</b>	<b>Bracket</b>
		
<b>Antennas*2</b>	<b>USB Cables</b>	<b>Cigarette Lighter Adapter</b>

## 3. Vehicle Application

The system is suitable for cars, pickups, smaller RVs, campers, vans and trucks etc.

But the wireless system may have different performance when meeting different vehicles. If you meet any signal issue, please contact us as soon as possible.



## 4. Voltage and Current of Solar Powered Rechargeable Camera&Attention

### Attention Please:

- 1) Please fully charge the camera once you receive it. You can use a standard cell phone charger for this purpose.

**Micro-USB Charging Input : 5V-1A / 5V-500mA (Please do not exceed 5V when charging, as it may damage the camera.)**



**2) Please use the power button to activate the camera upon receiving it. Additionally, if the camera's battery has completely drained, you'll need to activate the camera after it's fully charged.**



**3) After the battery is depleted, it is recommended to recharge the camera manually using a charger. Due to the relatively small size of the solar panel, please charge the camera when there is sufficient**

sunlight.

4) The magnetic bracket on the back of the camera is detachable, below is a detailed diagram:



- 5) It is recommended to power the camera via the USB port.
- 6) The camera angle can be adjusted up and down.

## 5. Working Voltage

Please be aware that there are limitations on the power supply for both the monitor and camera.

Monitor working voltage:

11V-24V, Recommend 12V



**Warning:**

1. Please avoid connecting the monitor directly to the car battery, as it can drain the battery even when the vehicle is turned off. If you must connect it in this manner, you will need to install a switch yourself.

**2. If you use the car charger adapter to power the monitor, please ensure that you turn off the cigarette lighter adapter promptly, even when the vehicle is turned off. This is because the cigarette lighter may remain energized, and using it in this state can drain the battery.**

**3. Do not exceed 24V when powering on the monitor. A 12V power supply is recommended.**

**4. Do not exceed the recommended 36 feet of distance between the monitor and the camera.**

## **6. Installation Video**

**Please watch the YouTube video below to help you install the system.**

**<https://youtu.be/UvNc9r9xuXg>**

**Note: Watch out for typing errors if you are unable to open the video. If you can not locate the video we suggest either:**

- (1) Search for video id [UvNc9r9xuXg](https://youtu.be/UvNc9r9xuXg) on [www.youtube.com](https://www.youtube.com)**
- (2) you can scan the QR Code below with your Youtube APP or browser to watch the video**



## 7. Testing Process

After receiving the system, please test the devices before installation.

Refer to the image below, which illustrates the simplest way to test the system.

**(1) Plug in the cigarette lighter and turn on the red switch.**



**(2) Use the button to activate the camera**



**(3) Pick up the camera close to the monitor, displays an image, it means the system is working.**



While testing, ensure that an image appears on the screen. This indicates that the system is operating correctly, and you can proceed with the installation in your vehicle. If you don't see an image during this test, please check if the monitor is powered on and whether the camera needs charging. If you still cannot see an image, please contact us immediately.

## 8. Installation of the monitor and backup camera

### I. How to connection/install the monitor

(1) The monitor can be powered via a cigarette lighter adapter or USB cable.



(2) We provide a spare power cord that can be used to supply power to the monitor from sources like ACC, Fuse, Radio, etc. Please note that the red wire should be connected to the positive pole, while the

black wire should be connected to the ground or negative pole. If you need an additional power cord, please don't hesitate to contact us.



## II. How to install the backup camera

-- The detachable bracket on the back of the camera is magnetically attached to the vehicle, completing the installation.



## 9. Monitor Buttons:



- 1) There are **5 buttons** on the right side of the monitor, each button's function corresponds to the text displayed on the display. For example, if the display text is **VIEW MOED**, just click the corresponding button on the right to switch to **CAM1/CAM2**.
- 2) Press any button to enter the main menu interface.
- 3) **Hand Sensing on/off button.** You can turn the screen off/on by touching or waving your hand (when you don't need to use it for a

while).

## 10. Menu Function Introduction:

Press any key to enter the main menu, and in the main menu screen...

(1) How to switch to single screen/split screen (CAM1,CAM2,CAM1/CAM2)

VIEW MODE, press the corresponding button on the right to switch to CAM1, CAM2 or split screen (default is CAM1).



(2) To access REC settings, press the corresponding button on the right. Here, you can configure the date and time (year/month/day), enable or disable recording for CAM1 and CAM2, and format the SD card.

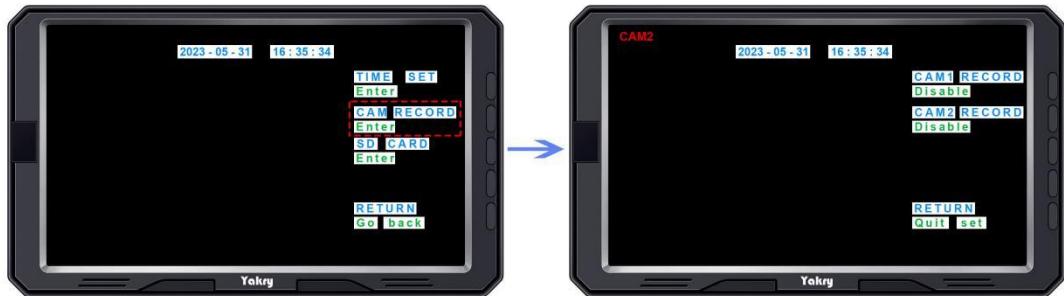


**Enter REC SET page-**

Press **TIME SET**, you can select **YEAR/MONTH/DAY/HOUR/MIN/SEC**, adjust by pressing the corresponding up and down keys (ADD/DEC), finally press **RETURN** to save the settings.



Press **CAM RECORD**, you can set **CAM1/CAM2** record function on/off respectively, press **RETURN** to save.



Press SD CARD, you can choose whether to format the SD card or not



**(3) PLAY BACK, press the corresponding button on the right to enter the settings, you can view/operate video files.**



Press DOWN/UP to select different video files, press PLAYBACK to enter the corresponding video files, you can operate

**DELETE/LOCK/PLAY** files. Press **RETURN-EXIT** to save the settings.

**Note:** Lock can lock the video file you want, even if you format it, it will not be deleted unless you unlock it.



**(4) CAMERA SET**, press the corresponding button on the right to enter the settings, you can adjust the brightness, color, contrast, mirroring/flip image, the height/width of the backup lines, switch the backup lines, pair the signal (when the camera does not have a signal), set the screen working time.

**Attention:** The image can switch from color to black and white when you adjust the COLOR value too low.



**Enter CAMERA SET page-**

You can select **BRIGHT/COLOR/CONTRAST/LCD/PARK/PAIR/SLEEP**, adjust by pressing the corresponding up/down key (ADD/DEC), finally press **RETURN-EXIT** to save the settings.



Select **BRIGHT/COLOR/CONTRAST**, press **ADD** and **DEC** to adjust.



Select LCD and press ADD and DEC to adjust to mirror Rear View image, Normal front view image, or vertically flipped image.(4

options)



Select PARK-LR-UD and press ADD and DEC to adjust the width and height of the backup lines.



Select PARK-MIDDLE and press ADD and DEC to adjust the backup lines left and right.



Select SLEEP, press ADD and DEC to select the working time of the screen, there are 90S-60S-45S-30S-OFF, 5 options total. For example:

Select 90S, the screen will be off after 90 seconds until you operate again.



Press PARK, press the corresponding button on the right to turn on/off the backup lines.



## BACKUP LINES OPTIONS



Backup lines off



Backup lines on

11. Insert the SD card, the recording function is in effect.



## 12. Camera Pairing

**Note:** The unit is already paired with the signal when you receive it, so there's no need to pair it again. Re-pairing is only necessary if the original camera is damaged or loses signal.

Here is pairing video link: <https://youtu.be/42oo3J-xITw>

Or Scan the Qr code through your cellphone browser, such as Google



**PAIRING steps are as follows:**

In the main menu page, press CAMERA SET, find PAIR, press ADD to pair the signal, then quickly press the camera power button 3 times, see the camera blue light flashing state will enter the pairing mode, wait for the image to appear.(If the camera is off, please turn it on first)



## 13. IP69 Waterproof Camera

The camera is made of waterproof material IP69 waterproof



## 14. Product Warranty

Two years quality warranty and life time tech support with customer service email at the front of page. Please contact us if any issues you meet.



*No matter what problems you meet, please contact us and get a professional help.*

#### **FCC Warning Statement**

**Changes or modifications not expressly approved by the party responsible for compliance could**

**void the user's authority to operate the equipment. 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.**

**This device complies with part 15 of the FCC Rules. Operation is subject to the following**

**two conditions: (1) This device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that  
may  
cause undesired operation.**