Congratulations on
purchasing our Backup Camera System!

IN NO EVENT SHALL SELLER OR MANUFACTURER BE LIABLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

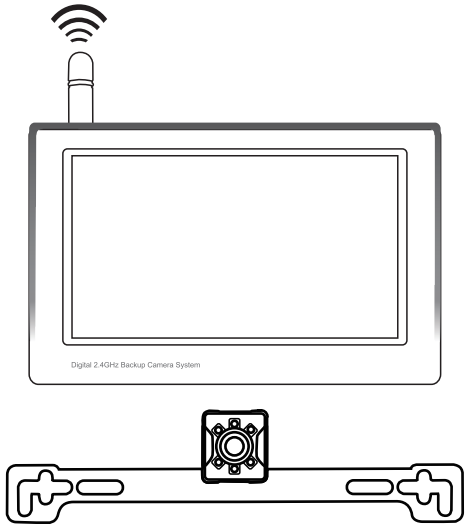
We recommend doing a benchmark test before installation to ensure that all components are working properly.

If you have questions about this product, contact :
FORSAFE CO., LTD
info@51forsafe.com
www.51forsafe.com

yuwei®
Since 2004

USER MANUAL

Digital Wireless Camera System
SPLIT VIEW FOR (2) CAMERA



YW-0199TX

Normally you do not need to pair the camera and monitor, we defaulted and paired them well to the first channel before delivery. What you need to do are as follow:

1. Find out the installation place of the camera and the power of reversing light(or ACC).
2. Install the monitor to a suitable place and connect it to the cigarette lighter.

Contact us by email "info@51forsafe.com" or via our web: www.51forsafe.com "Contact Us" may any questions during operation.

Package contents

- Wireless camera x 1
- 5" wireless monitor x 1
- Mount Bracket x 1
- Antenna x 1
- Screw Kit for Camera Installation x 1

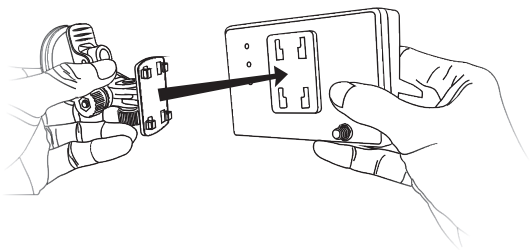
Installation

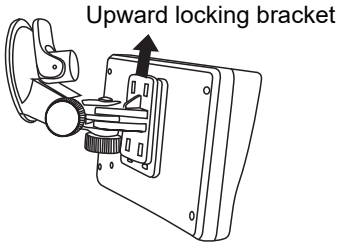
- Electric shock or product malfunction may occur if this product is installed incorrectly.
- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.
- Take special care when cleaning the monitor, no wet hands touch during installation.
- Make sure to firmly affix the product before use.
- If smoke or a burning smell is detected, disconnect the system immediately.
- Where the power cable may touch a metal case, cover the cable with friction tape. A short circuit or disconnected wire may cause a fire.
- While installing the System be careful with the wire positioning in order to avoid wire damage.
- Do not watch movies or operate the monitor while driving; as it may cause an accident.
- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.
- Dropping the unit may cause possible mechanical failure.
- Do not hard press on the camera lens.
- Do not crush or damage the power cable.
- Do not use the device during a lightning storm.

Operating Precautions

1. The device may be powered by a 12/32 volt battery or the vehicle's electrical system.
2. Make sure all cables are connected properly. Improper cable connections may damage the monitor. Remove the power cable connections when not using the device.

Monitor Installation





FAQ

1. **Is the signal between the camera and the receiver encrypted?**
   Yes.

2. **How many cameras does the system support?**
   2 cameras.

3. **Why does the frame rate sometimes drop when I am driving?**
   When driving the signal reception might drop sometimes. This occurs as the signal to the receiver is constantly transmitted from different angles. This is considered normal when transmitting wirelessly.

4. **Is the camera water resistant?**
   The camera is Ip69k classed. This means that the camera is well protected from both dust and humidity. It can be placed outside and can be cleaned using a pressure washer.

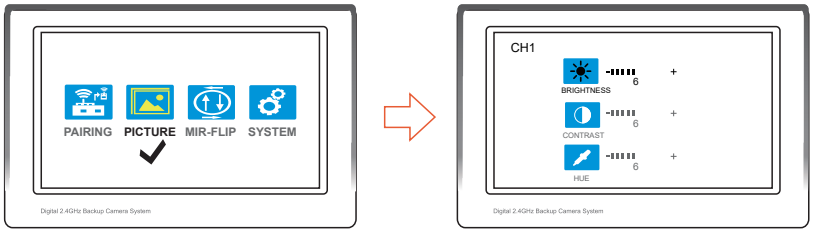
5. **Can I hear sound from the camera?**
   No, the camera does not have a microphone.

6. **I am using the camera for reversing, how do I mirror the image?**
   Please see the instructions in the “Operation” section.

7. **What do I do if I have bad reception on the LCD-monitor?**
   Start by reading through the troubleshooting. If troubleshooting doesn’t help, welcome to contact us: info@51forsafe.com

8. **Will the camera break at very low temperatures?**
   No, at very low temperatures the picture might tone red. At extremely low temperatures the camera might turn off. However, when the temperature gets higher again the camera will regain its functionality.

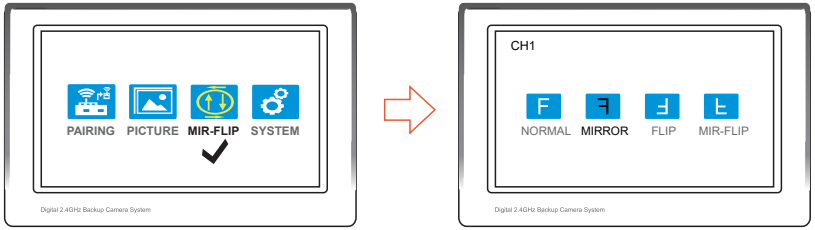
Picture-Image Settings



The image can be modified to the driver's specifications. Easily adjust the Brightness, Contrast, and Color to create the optimal brightness.

1) Press " Menu"
2) Press " ▲/▼ " & "OK " to Select " Picture "
3) Press " OK" & "▲/▼" to adjust picture image settings

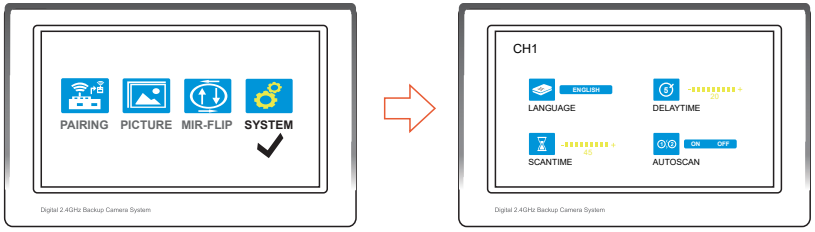
Mir-flip Screen Rotation Settings



Rotation Options (Vertical + Horizontal) There are many advantages to rotating a screen vertically or horizontally. Different views include :

Normal → Standard Display → Display in classic view
Mirror → Horizontal Reverse → Display flipped horizontally
Flip → Vertical Reverse → Display flipped vertically
Mir → Flip Hand V Revers → Display flipped vertically + horizontally

System - Settings



1. Press " Menu ", Choose"SYSTEM"
   Press " OK"
2. Press " ▲ ", " ▼ " to adjust
3. Press " OK " to select

Language: Language Selection
Delaytime: Interval Time when reversing camera displays
Scantime: Interval time when autoscan is on
Autoscan: Auto displays CH1 & CH2 on/off
Autoscan means system displays CH1 & CH2 by turns

Technical Specification

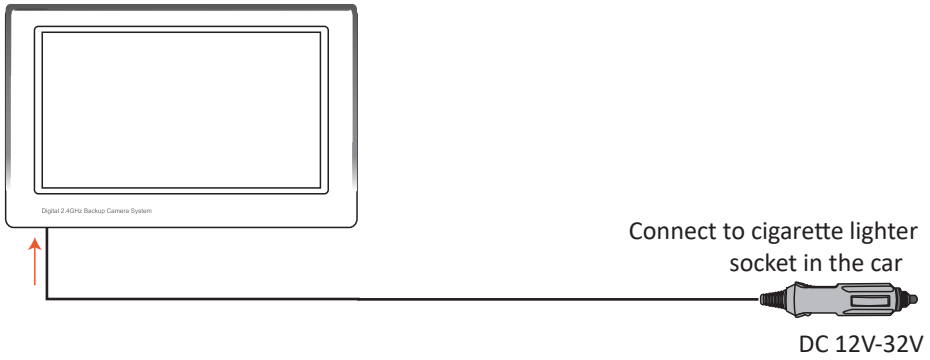
Monitor

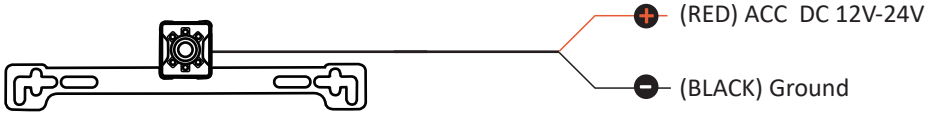
Monitor Panel Size	4.3" LED Digital Panel
Video System	PAL/NTSC auto
Resolution	480 x 3(RGB) x 272
Brightness	400cd/m²
Contrast Ratio	500:1
Screen Mode	16:9
Field of View	Top: 50°, Bottom 70°, L/R 70°
Audio	NO
Dot Pitch	0.077(W) x 0.231(H)mm
Active Area	110.000(W) x 62.832(H)mm
Power Input	DC 10V-32V
Operating Temperature	-4F to approx. 176F
Frequency	2412-2462 MHz
Transmission Type	Digital Wireless
Video Input	2 Channel
Video Source	1vp-p75Ω
Pairing	CH1 Camera Paired
Power Cosumption	About 4W
Transmission Distance	328 ft
Display Mode	Single / Autoscan / Split View

Camera

Sensor	1/4' CMOS
Effective Pixel Array	512x492
Sync. System	700 TV LINES
Minumination	0.1 LUX
Working Current	260mA
Optical Format	1/4 inch
Lens	F=2.7 mm
Viewing Angle	170°
Waterproof Rating	IP69K
Power Consumption	About 2.5W (IR on)
Power Input	DC12 -32V
Operating Temperature	-4F to approx. 176F
Frequency	2400-2483.5 MHz
Transmission Type	Digital Wireless
Transmission Distance	328 ft
S/N Ratio	More than 48dB

Wiring The System



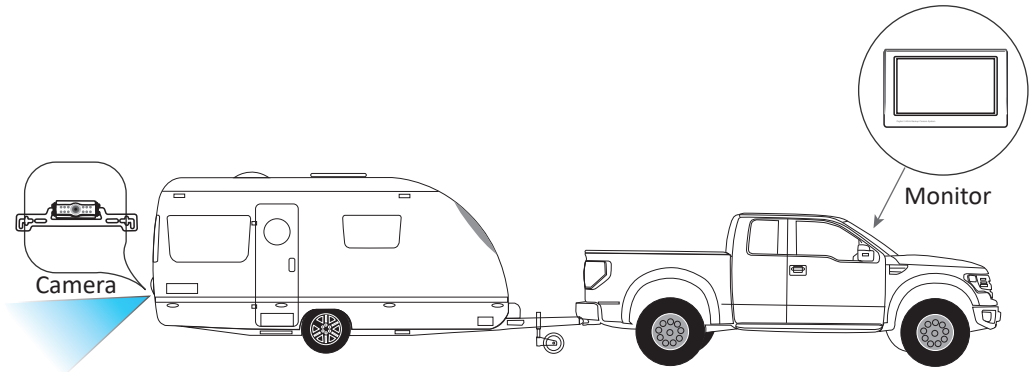


CAMERA CONNECTION: Locate the clearance lights wiring on your vehicle. You may need to remove the interior panel in order to locate. Connect the power cables for camera: Red wire to light's positive; Black wire to chassis ground.

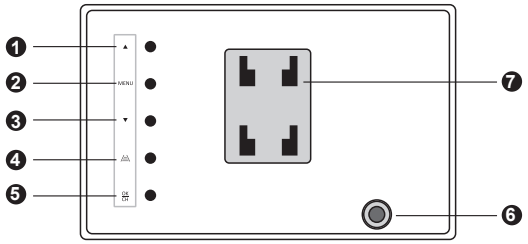
MONITOR CONNECTION: Cigarette lighter adapter: firmly insert the lighter plug to the cigarette lighter socket.

DO NOT INSTALL monitor where it may obstruct driver view or obstruct air bag devices.

Position



Monitor Operation

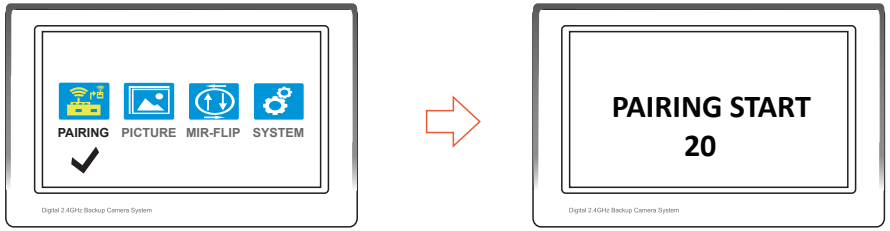


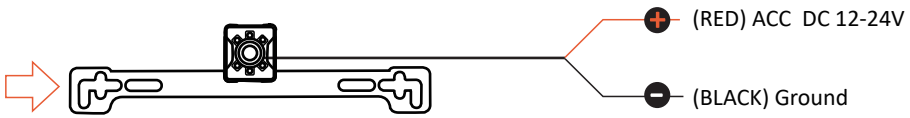
1. UP Arrow
2. Menu / Selection button
3. Down arrow
4. Parking Line on/off and Adjust Parking Line Position
5. Confirm / CH Selection
6. Antenna Connection
7. Bracket mount

Main Menu

Pairing

System has been paired, connect power and it works. Use pairing unless you need to add more cameras or replace a camera.





Camera Pairing:

1. Un-plug camera's power connection
2. Keep monitor is power connected
3. Press monitor button " Menu", press "▲" or "▼" scroll to Pairing
4. Press "OK", monitor appears countdown 20 seconds
5. Connect camera to its power source
6. Camera signal appears on monitor

Note: no need to press any button on camera

FCC Warning Statement: Changes or modifications to this unit 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.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co‐located for operating in conjunction with any other antenna or transmitter.