



VASTEND V02 Digital Wireless Backup Camera System User Manual

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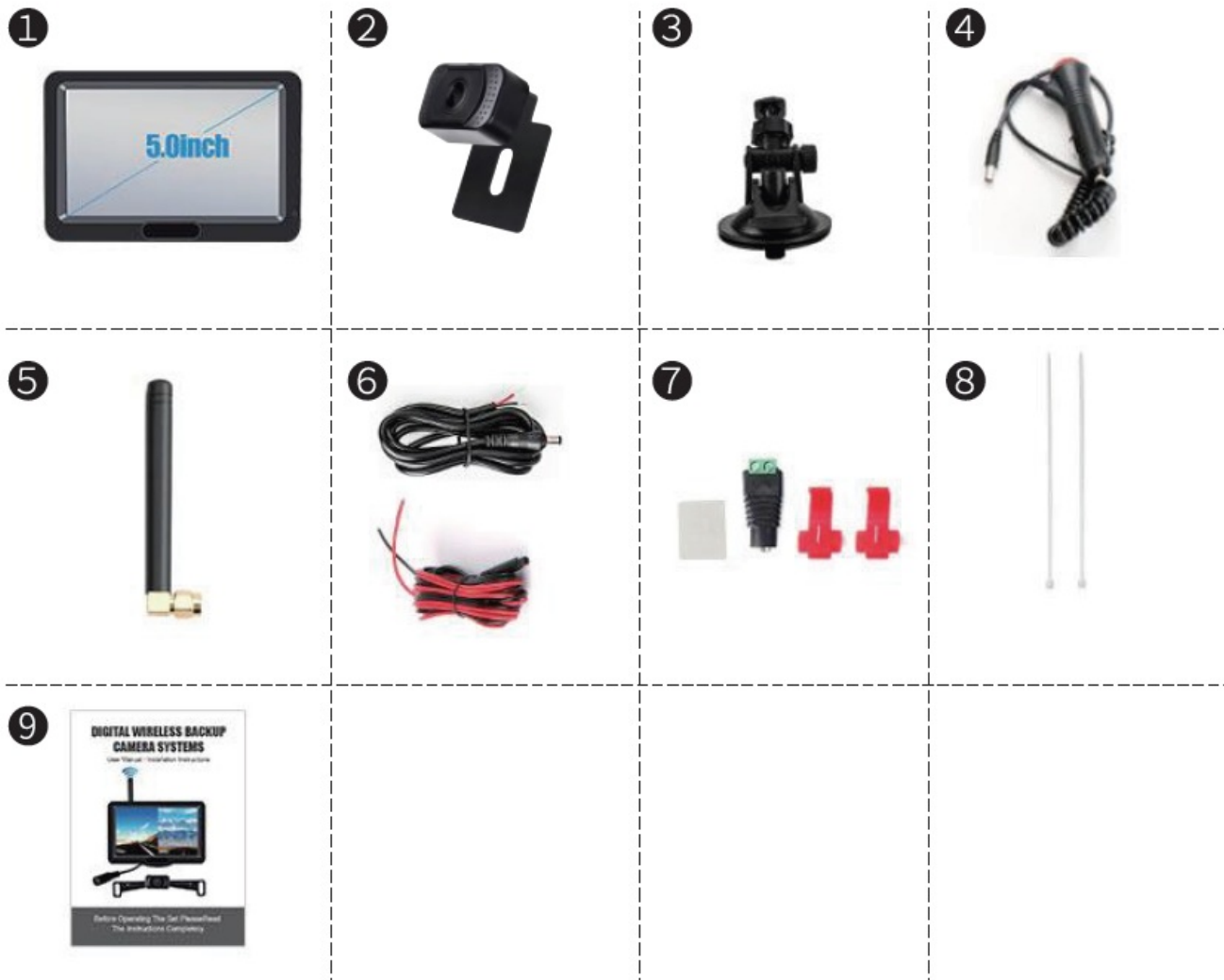
VASTEND V02 Digital Wireless Backup Camera System



Certificated by CE & FCC & EMC & Rohs & Waterproof IP6X



What's in the Box?



1. 5inch Camera
2. HD Camera
3. Base
4. Car charger
5. Antenna
6. 1.5 Power cable
7. Accessories
8. Tie
9. User manual
10. Camera Bracket

Please note: A connection test must be done before installation. Installation can only be carried out after the power is turned on and there is no problem.

Vehicle Application

This system is mainly used for Car, Trucks, Pickup, Rvs, Travel Trailers, Fifth wheels, Bus, Monitor-home, etc. Monitor mount on the dash and the camera mount on the top of the tail make the antenna over the roof which can make the signals powerful transmission.

Operation Video

Please watch the below video on YouTube to help you install the system. (Or please contact us to get the video link directly) Here are some products of the same type that are similar to ours, for reference only. You can scan the code with app or directly with camera



English installation video



German installation video



Paired video



Introduction video

Below are the installation videos of similar products (only for reference)

<https://www.youtube.com/watch?v=5Z9KXXzXrqQ>

<https://www.youtube.com/watch?v=CBCII=19wM8>

<https://youtu.be/ee4MoCwGyzM>

https://youtu.be/TBVcxXpY_7M

System Features

1. Instant Real-time Video Transmission.
2. This is ideal for cars, trucks, SUVs, Pickups, or any vehicle where you want to add a backup camera
3. There are no wires from the backup camera to the monitor, they are Separate installations, so it is very easy to install, you do not have to run the wires from the back to the front.
4. The monitor can be fixed on the dash or windshield optional.
5. Monitor viewing is HD color and with guidelines built-in camera.
6. Backup camera design with AUTO-Lighting LED lights makes your night driving much safer.
7. Digital signal transmission is different from analog signal transmission. The signal is point-to-point. There is no interference from other devices.

Working Voltage

Please notice below data of power supply input to the monitor and camera

Monitor: voltage range 12V-35V > = 800MA

Camera: voltage range 12V-24V > = 800MA

Tip: If the voltage is lower than 10V, the Infrared lights of the camera may not be on or only one is on at night, so make sure the voltage is enough. We recommend the voltage is 12v. If the voltage is over 24V to the camera, it will cause damage.

Test System

After receiving the product, you need to test the product before installing it. Please refer to the following test steps to complete the test:

1. Wiring 2 power cords to the camera and monitor.

2. Loosen the screws on the green adapter, then insert the red wire (copper wire) to the Positive (+)slot, while the white wire (copper wire) to the Negative (-) slot
3. Plug the cigarette lighter adapter and turn on the red switch. The monitor will have an image from the camera, the test completed.



Note: After testing, make sure the image appears on screen, then go ahead to install this System on your vehicles.

- If there is no image after you install this system in your vehicle, please check all connections and voltages.
- Whether the positive and negative poles of the license plate lamp, reversing light or running light are connected in reverse (for example, if you have a black wire and green wire on your backup light, the black wires should be positive wire, the green wire should negative)
- If you cannot verify which wire of your power supply is positive, you can connect the black wire to the ground (metal part on vehicle). So you can test the positive wire.

Connection

The monitor can be powered by a cigarette lighter outlet / Ignition switch. The camera can be powered by Taillight or a 12V DC power system. Connects the red wire to the positive and the white wire to ground.

Step 1 – Step 3

- Step 1: Choose the camera location
- Step 2: Drill a 12mm Diameter cable hole and secure the camera with two screws (Package contents include screws)
- Step 3: Locate the Taillight or 12V DC power system wiring on your vehicle. Connect the red wire to the positive and the white wire to the ground or negative.



The monitor also can be powered by ACC / Fuse / Radio etc.

The red wire is connected to the positive pole, black wire to ground pole



Single camera connection

1. The "+" pole of the camera is connected to ACC, and the vehicle can start working
2. The "+" pole of the camera is connected to the reversing light, and the image is only displayed when reversing.



How To Install

Step 1:

Connect the monitor to cigarette lighter adapter, just push the on-off button of the adapter to on / off monitor



Step 2:

Put the camera tail wire and find the backup light wire colors and polarity easily connected using t-taps clips
License plate Lights and tail lights are also available



Step 3:

Installation completed



Installation method of Monitor



DIY Guide Lines

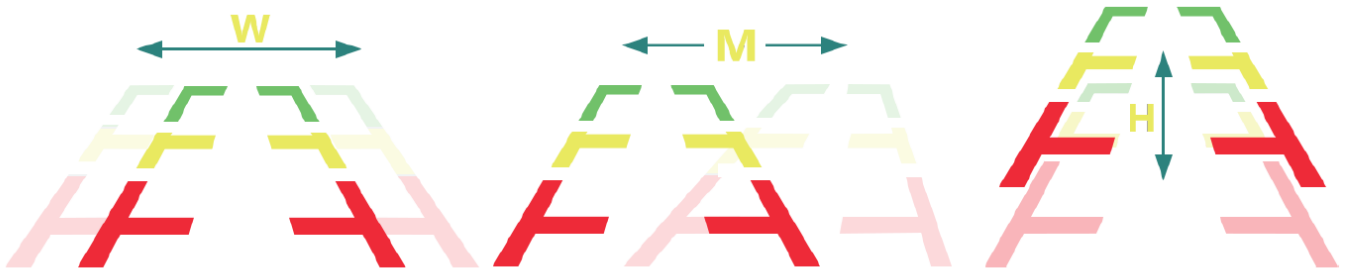
Step 1:

Find the “-” key on the display, short press”-“key



Step 2:

At this time, "H" or "W", "M", appears on the screen, and then press "+" to adjust the width or height



Pairing the Camera and Monitor



1. Press the “+” key to switch channels
2. Short press the “Menu” and then choose the first icon
3. Press the OK button to check the code
4. Code successfully displayed screen

Getting Started

Monitor key function



+ : 1)Channel switching 2)When the W.H.M mode is selected, it will move up and down, left and right, wide and narrow. 3)In the case of a menu, like left selection

MENU : MENU

— : 1)Ruler shortcuts 2)In the case of ruler, W.H.M will appear 3)In the case of a menu, like right selection

Flip : 1)Image flip 2) Sure

Power : Switch

Waterproof Camera

The camera is made of IP69 waterproof material.



Warranty

Two years quality warranty and lifACetime tech support. Please contact us if you meet any issues.

Troubleshoot

1. If there is no image after installed the system, please check whether the monitor is powered on first. If the monitor button lights up, it means that has power. Then please reference below video that check the camera's Infrared lights if turn on. If not lit on, It may be the camera was burn out or not power.

https://youtu.be/TBVcxXpY_7M

2. Please check the Positive and Negative poles of the power supply before installation. If the Positive and Negative poles are connected in opposite directions, the camera will be damaged.
3. Sometimes due to the length of the vehicle is too long or the material of the vehicle is thick, plus the driving speed is too fast, the signal becomes weak or the image is delayed.

No matter what signals or installation problems you meet, please contact us to get a professional solutions.

Thank you!

5 Inch Wireless Monitor Specification

LCD Size:	5 Inch Color Monitor
Operating Frequency:	2400-2483.5MHZ
Transmitted Power:	20db
Resolution:	800(H) x480(V)
Brightness:	500 cd/m ²
Response Time :	25ms
TV System:	PAL/NTSC
Contrast:	500:1
Power Supply:	DC12V-36V
Operating temperature:	-20℃ ~+70℃
Storage temperature:	-30℃ ~+80℃


Wireless Backup Camera Specification

Waterproof Rating:	IP69
Image Sensor:	1/3" HD
Operating Frequency:	2400-2483.5MHZ
TV System:	NTSC/PAL
Resolution:	1000 TV Lines
Minimum Illumination:	0 Lux [IR ON]
Transmitted Power:	20db
View Angle:	150°
Power Supply:	DC 12V-28V
Operating temperature:	-20℃ ~+70℃
Storage temperature:	-30℃ ~+80℃

Troubleshooting

Problem	Solution
Monitor Won't turn on	Check the cigarette lighter has 9-40V DC Output
	Check the fuse in the Cigarette socket adapter
Camera and Monitor won't pair	Check if the camera is receiving power
	Make sure to follow the instructions to operate the Pairing
Weak Signal	Check if the camera and monitor antennas are installed
	Distance between camera and monitor is too great. Reduce distance between camera and monitor
	Large dense objects could be obscuring the signal. If possible, move the objects
	Interference from overhead power lines may be affecting the signal
	Try unpairing and pairing
Night Vision is poor	The night sensor on the camera may be dirty or obstructed
	Ensure the camera is installed at least 2 inches away from rear lights
Dark Picture	Check whether brightness and contrast are adjusted correctly

Documents / Resources

	<p>VASTEND V02 Digital Wireless Backup Camera Sysem [pdf] User Manual</p> <p>V02 Digital Wireless Backup Camera Sysem, V02, Digital Wireless Backup Camera Sysem, Wi reless Backup Camera Sysem, Backup Camera Sysem, Camera Sysem, Sysem</p>
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References

- [User Manual](#)