

APPLICATIONS:

Use on trucks, SUVs, RVs, Buses and other vehicles that require wireless reverse camera solution.

FEATURES:

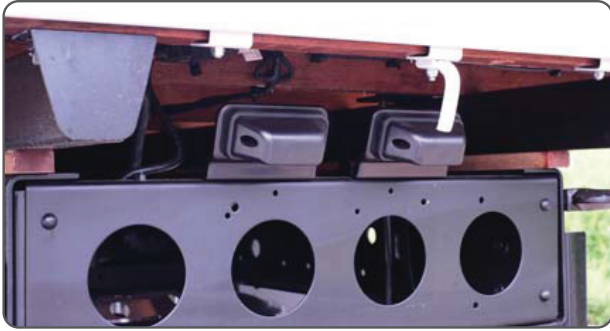
- 2.4 GHz, 20 Channel Frequency Hopping Method for clear image.
- 120° effective viewing angle.
- 8 IR LEDs for up to 10M visibility at night.
- Waterproof camera and transmitter (IP 69K).

PARTS INCLUDED:



INSTALLATION INSTRUCTIONS:

1. Find a suitable place to install a camera.



2. Test fit the bracket to make sure there is enough space.



3. Use the screws provided to mount the bracket.



4. Install the camera to the bracket. Do not completely tighten the screws yet.



5. Below is how the camera should be installed.



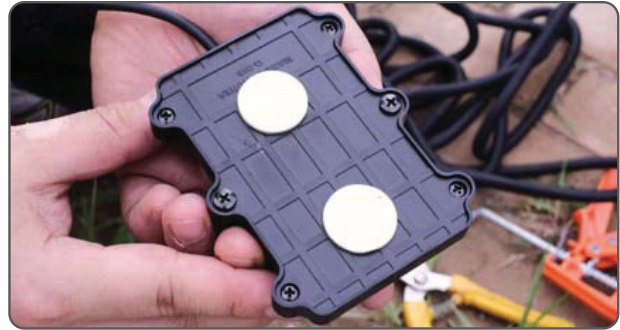
6. Mount the transmitter no more than 3 feet from the camera.



7. Clean the surface where the transmitter will be mounted.



8. Attach the double sided adhesive tape to transmitter.



9. Press down on the transmitter to adhere to the surface.



10. Attach the 4 L brackets to surface using the screws provided.



11. Use the cable ties to securely fasten the transmitter.



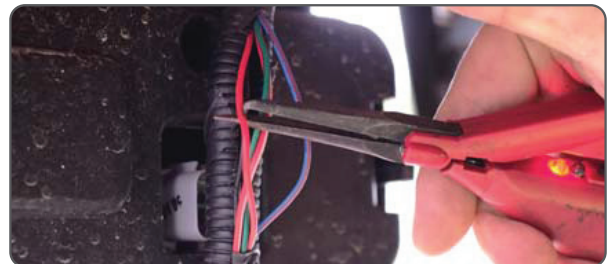
12. We recommend putting silicone sealant around the base of the transmitter to prevent dirt from going behind the transmitter.



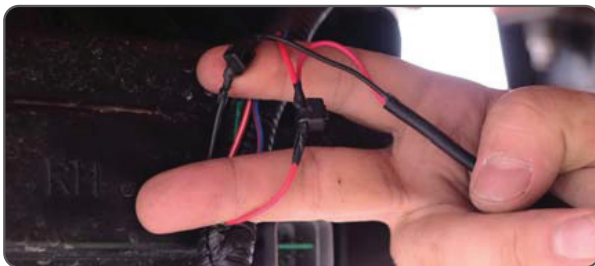
13. Disconnect the reverse light connector.



14. Strip the power and ground wires of the reverse light.



15. Tap the red and black wires of the CTR-01Q camera cable to the positive and negative wires.



16. Reconnect the reverse lconnector.



17. Organize the cable using zip ties and cable clamps.



18. Connect receiver's red wire to ACC and black wire to ground. Plug the Yellow video RCA to the monitor (not included).



19. Attach the double sided adhesive tape under the receiver. Do not remove the bottom liner of the double sided tape yet.



20. With the ignition turned to ACC, put the vehicle in reverse. Turn on the monitor and find the best direction for the receiver turning it until you see atleast 3 bars on the monitor.

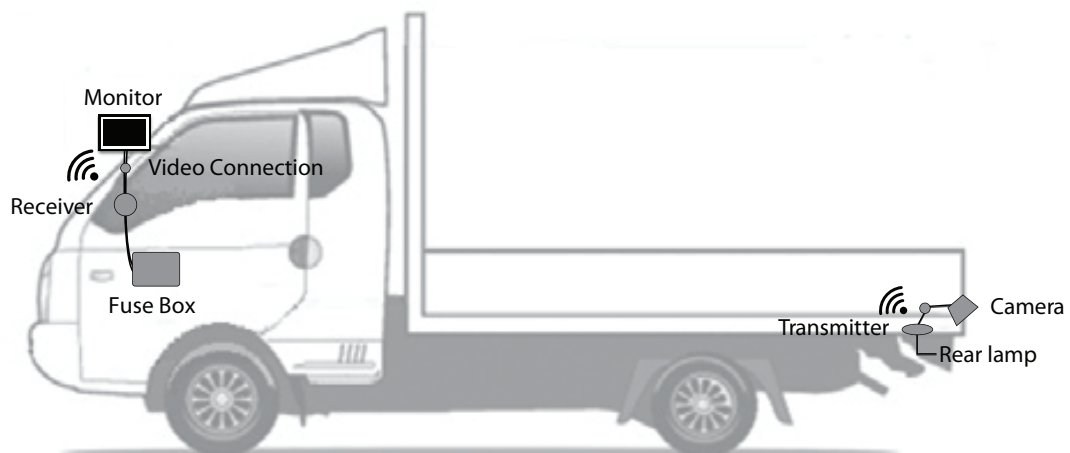
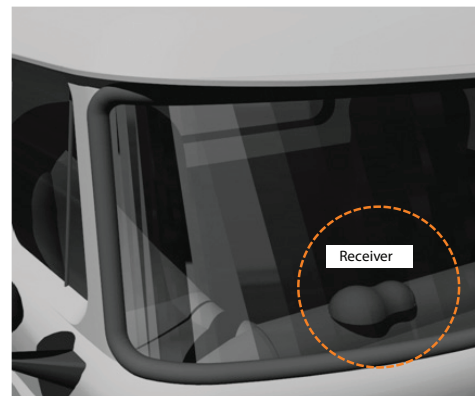


HOW TO PAIR TRANSMITTER AND RECEIVER:

The transmitter and receiver are already paired by default during production. There is no need to pair it again unless the pairing was deleted for some reason.

1. Turn off the transmitter. Connect the pushbutton switch included in the kit to the receiver pairing connector.
2. Turn on the monitor and receiver. The monitor will show "NO VIDEO SIGNAL" for 2 seconds.
3. Before the message disappears, press the toggle switch for more than 5 seconds. The monitor will show the message "PLEASE PRESS PAIR KEY ON TX SIDE". It will also start a count down to 30.
4. Turn on the transmitter by putting the vehicle in reverse gear before the count down goes to "0".
5. The monitor will not show "WAITING FOR SIGNAL..." then "PAIR OK". Pairing is not complete.
6. Unplug the pushbutton switch and keep in a safe place.

INSTALLATION EXAMPLES:



TROUBLESHOOTING:

Q: No image is displayed once the vehicle is put in reverse.

A: Check if the receiver is properly connected to power.

Check if the cables between the monitor and the receiver are plugged in tight.

Q: No image is shown on the monitor and shows a message " No Video Signal".

A: Check if the transmitter is properly connected to the reverse light wires.

Check the strength of the wireless connection displayed by 3 antenna bars on the monitor. Move the receiver to find the best signal strength. Avoid areas where the receiver is blocked from receiving signals from the transmitter.

Q: Picture is distorted.

A: Make sure that the cable connections between the camera and transmitter are correctly linked.

Make sure that the cable connections between the monitor and receiver are correctly linked.

Q: No image displays even though the antenna bar shows 3-4 bars.

A: Check the cable connections between the camera and transmitter and the camera power cable."

Q: Transmitter and receiver are not pairing.

A: The transmitter and receiver have already been paired during production. In case the pairing has been deleted, please refer to the "How to pair transmitter and receiver" section on page 5.

SPECIFICATIONS:

	Camera	Transmitter	Receiver
Effective pixels	NTSC : (H)768x(V)494 PAL : (H)752x(V)582	2.4 GHz, 20 Channel Frequency Hopping Method	
Angle of view	120°	NTSC, VGA	
IR LED	8PCS of 850nm IR , CDS Sensor 1EA (Approximately 10m visible)	~165mA (+12V DC) /~90mA (+24V DC)	~130mA (+12V DC) /~80mA (+24V DC)
Image sensor	NEXTCHIP Image Signal Processor NVP2080 (PELICAN-S)	+12V ~ +24V DC	
Operating voltage	12V (On:170mA/Off:120mA) ~ 24V (On:80mA/Off:60mA)	Over 100m (Open area)	
Operating Temp./Humi.	-20°~ 60° 85%RH, Non-Condensing	MPEG4	
Waterproof	IP 69K	30 Frame	

