

Trailer Eyes ® B2

Built for barn and out building , can be used for trailering too

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Safety Disclaimer

This product should not be used by the driver of a motor vehicle while driving. Always keep your hands free to operate a vehicle while driving. Obey all local laws. Your first consideration while driving should be safety.

To the maximum extent permitted by applicable law, Trailer Eyes®, its subsidiaries and licensors hereby disclaim all liability arising out of any use of this product and its contents.

Safety Warning

ÉThis product should not be used by the driver of a motor vehicle while driving.

ÉPlease obey your local traffic laws and codes. Drive safely.

ÉNotice to drivers in California and Minnesota: State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while Operating motor vehicles. Other mounting options should be used. Trailer Eyes® does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice (See California Vehicle code section

26708(a); Minnesota Statutes 2005, section 169.71) Other states may have passed a similar law, please check your state's traffic laws and codes.

Performance Disclaimer

5.8 GHz wireless video technology has eight channel frequencies:
The FCC has only opened these eight channels for public use. As a result, any brand's 5.8 GHz wireless video monitor can receive the signal sent from this unit. Also, this unit's monitor can receive another camera's signal (Signal Interference). Please be warned that there is no guarantee of your privacy while you are using this unit. Anyone with a 5.8 GHz wireless monitor within 1200 ft. range of this unit's camera can receive the signal from this unit.

Parts included



1. Windshield suction mounting bracket for monitor
2. Booster antenna (7 pins connector , 16 ft. cable, magnet base) for monitor
3. Booster antenna (5 pins connector, 16 ft. cable, magnet base) for camera
4. Two Screw sets for antenna bases (For permanent mounting use)
5. Monitor (7ö , 5.8 GHz. TFT LCD color, wireless)
6. Camera (With automatically kick-in Infrared night vision function , weather proof, color) Note ; in order to receive color pictures, the light and setting must be in perfect studio condition. Otherwise, it will not show the true color.
7. Two AC/DC power adapters (one for monitor, one for camera)
8. Desktop mounting bracket for monitor
9. Car lighter power adapter for monitor
10. Permanent mounting bracket for camera
11. 9V battery
12. Clamping base for camera, with battery case attached.
13. 12v power adapter for camera
14. Screw set for camera permanent mounting bracket

Features

- 5.8GHz wireless ,night vision, color , weather proof camera
- No tools required for installation, can be setup in 5 minutes
- Removable clamping base and Permanent camera mounting bracket are included
- Adjustable color monitor (Brightness, contrast) , note : in order to have colors in the monitor, the light and setting must be in perfect condition.
- Two outdoor, weather proof booster antennas for guaranteed reception
- Infrared Night Vision camera. Can be operated in total darkness within 10 meters range (When night vision function is on, the monitor will only show black and white pictures)
- Power source can be from 9V battery, 12V car lighter jack, or 110V / 240V AC
- A single alkaline 9V battery can operate the camera up to 2 hours in day time, one hour under night vision mode.

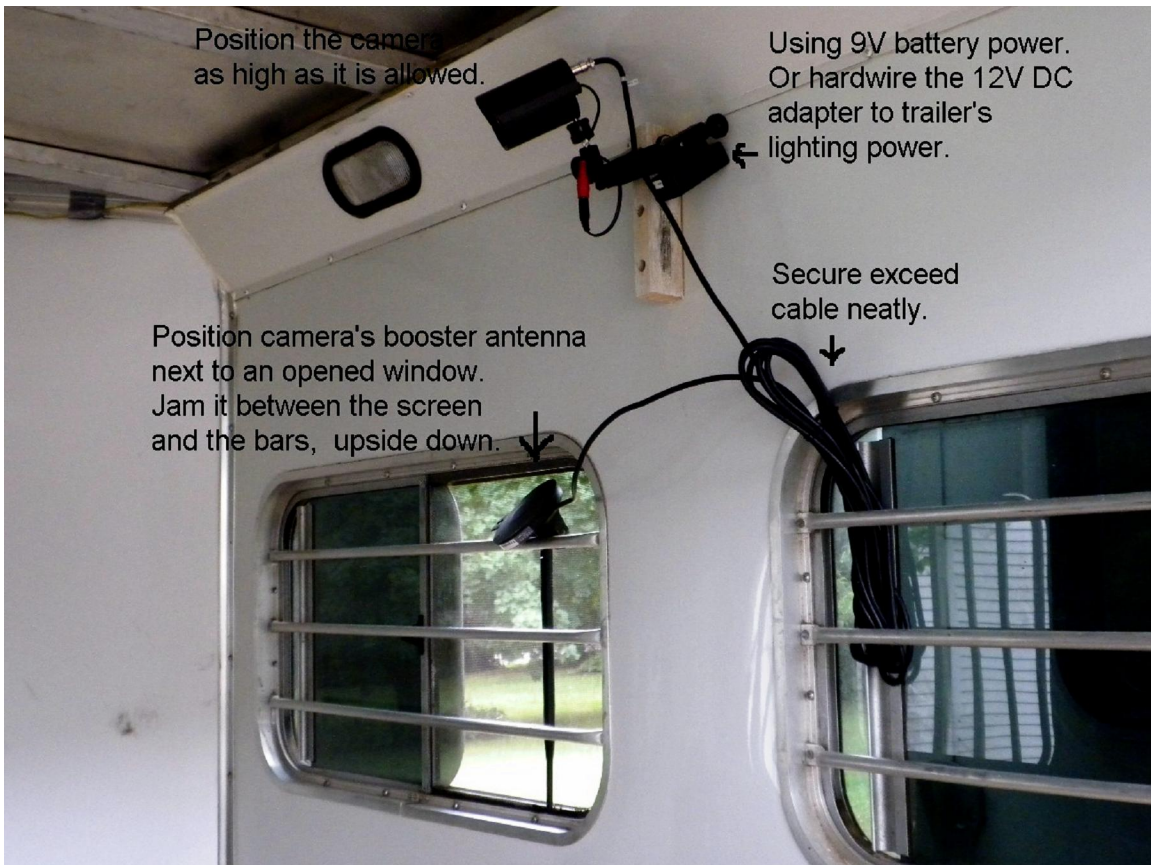
Trailer Eyes® B2 set literally can be used in everywhere and be set up in 5 minutes.

Setup Instructions

For trailers

Setting up the camera in the trailer

1. Insert a 9V battery into the battery compartment. Turn the On/Off switch to the OFF position.
2. Use the clamping base to mount the camera next to an opened window or panel, the clamping base can be clamped on any pole or board which is less than 2 1/4" diameter/ thick. Choose the mounting spot and tighten the clip bolt on the clamping base.
3. Loose the tilt lock knob, adjust the camera , point it in the direction where you wish to monitor, tighten the tilt lock knob.
4. Attach the booster antenna (5 pins connector) to the camera, tighten the pin connector screw.
5. Position the booster antenna between window and bars. Unless your trailer is longer than 40 feet, you don't need to mount the camera booster outside of your trailer.
6. Arrange the antenna cable neatly.
7. Turn the camera On/Off switch to the ON position.



Setting up the monitor in the vehicle

1. Attach the monitor to the suction mounting bracket.
2. Mount the suction mounting bracket to the windshield,
3. Attach the 7 pins connector antenna to the monitor. Tighten the connector screw.
4. Open the car door, mount the monitor booster antenna (magnet base) on the roof top of your vehicle; Or, for better result, mount the monitor booster antenna low and far back on the side of your vehicle .(When using Trailer Eyes B2 set in truck and trailer setting, antenna rod can be folded down.) Run the wire between the antenna and the monitor through the car door and the car frame. Not through the car window and door frame. After the antenna is mounted , tuck the antenna cable into the edge rubber frame , then shut the car door, the cable will not be cut.
5. Plug the power jack into the monitor then plug the 12V car lighter adapter into the car lighter socket. Turn the monitor on. (Press & hold the "Power" button for two second) Some vehicles need the engine turned on to supply power to the lighter socket.
6. Switch to the correct channel coordinate with your camera's channel. To switch channel- Press the power button and release it quickly , cycle through channels. There are 8 channels to cycle. Once the correct channel is found, the screen will show the object you are monitoring.
7. Adjust the position of the monitor, the antenna wire and the power wire, avoid interference with the driver.



You should be able to see the observation object in your monitor now. You might need to adjust the camera angle and/or the position of the booster antenna for better reception.

To remove suction mount from windshield

1. Flip back the lever lock
2. Pull the tab on the suction mount rubber pad. The unit should come off easily. Do not use excessive force to pull off the suction mounting unit. You may cause damage to the unit or windshield.

For barn and outbuildings

Setting up the camera in the barn

1. Use the clamping base to mount the camera, the clamping base can be clamped on any pole or board which is less than 2 1/4" diameter/thick. Choose the mounting spot (As high as it is allowed) and tighten the clip bolt on the clamping base.
2. Plug the 110 /240V Ac adapter into the power outlet and to the camera.
3. Attach the antenna 5 pins connector to the camera, tighten the pin screw.
4. Loosen the tilt lock knob, adjust the camera, point it in the direction where you wish to monitor, tighten the tilt lock knob.
5. Position the camera booster antenna in outdoor as high as it is allowed.
6. Arrange the antenna cable neatly.

Setting up the monitor in the house or office

1. Attach the monitor to the desktop mounting base .
2. Attach the 7 pins connector antenna to the monitor.
3. Position the monitor booster antenna in outdoor as high as it is allowed. The antenna has a magnet base, just stick it to any steel surface. Or you can mount it permanently with a screw.
4. Plug the 110 /240V Ac adapter into the power outlet and monitor.
5. To turn on the monitor Press and hold the "POWER" button for two seconds
6. Switch to the correct channel coordinate with your camera's channel. To switch channel- Press the power button and release it quickly , cycle through channels. There are 8 channels to cycle. Once the correct channel is found, the screen will show the object you are monitoring.
7. Arrange the monitor power wire and the antenna cable neatly



Best Result tips

Minor interference will occur when using open commercial 5.8 GHz video signal technology. The running engine and motor will generate some interference and show in the monitor. Over all, 5.8 GHz channels enjoy much less interference than 2.4 GHz channels.

The range of the signals is usually stated based on line of sight. **Which means the antenna of the camera can see the antenna of the monitor.** The wireless signals will need about a 30 ft. diameter clearing between antennas for maximum range, We strongly recommend the antenna be mounted 15 feet above the ground ,otherwise the ground itself will attenuate the signal. the signal power will be reduced by obstacles such as trees, bushes and buildings , the more obstacles in between , the less distance you can achieve. Metal and concrete are the hardest for the signals to penetrate.

For best performance, please consider these few guidelines:

ÉThe distance between the monitor and camera

- Straight line, clear view, no obstacles in between, up to 1200 feet.
- When the camera is in the trailer, and the signal needs to go through layers of metal and antennas can't see each other, up to 60 feet.

ÉA fresh, strong 9V battery to provide adequate power to transmit the signal.

A name brand alkaline 9V battery can operate the camera up to 2 hours during the day or 1 hour in night vision mode. Once you know where you like to clamp your camera, please hard wire the 12V trailer lights power adapter to your trailer's lighting system. So you don't need to worry about the changing battery afterward.

Mount the monitor booster antenna low and far back on the side of your vehicle

Camera booster antenna should be mounted next to an opened window or panel.

Turn off the camera while it is not in use.

When not in use for long periods of time, please store the unit in a cool, dry place.

Troubleshooting

Problem	Possible Solution
No camera picture	<ol style="list-style-type: none">1. Check all connections and power. (In order to have power in the lighter socket, some vehicles need to have the engine turn on .)2. Make sure the camera and monitor are switched ON.3. If you are using 9V battery to provide the power to camera, change the battery.4. Camera and monitor are in range.
Picture Interference	<ol style="list-style-type: none">1. Reposition the monitor's antenna.2. Mount the camera next to an opened window or panel.3. Drive the vehicle and the trailer for a short distance. Once away from a heavy interference area, the picture will improve.

Specifications

Monitor

Monitor Type----- Color TFT-LCD

Screen Size----- 7"

Wireless Frequency----- 5.8 GHz

Supply Voltage----- DC12V, Ripple: <120mVp-p

Consumption Current----- 1 A

Operation Temperature----- 14F~+140F

Operation Humidity----- 85% RH (Max)

Received Frequencies----- 5,800 MHz

Color configuration----- RGB.delta

Video System----- PAL/NTSC

Dimensions----- 7" x 4 3/4" x 7/8" , Excludes base and power cord

Weight----- One pound

Up to 8 cameras can be hosted in the monitor

Camera

Transmission Frequency-----ISM 5.800 MHz
Transmission Power-----10mW/CE; 2mW/FCC
Operating Frequency-----5800 MHz
Unobstructed Effective Range---1200 ft. Maximum
Operating Temperature -----10 ~ +50(Degree C) / +14~ +122 (Degree F)
Storage Temperature -----20 ~ +60(Degree C) / -4 ~ +140 Degree F)
Operating Humidity ----- ≤85%RH
Imaging Sensor Type -----CMOS Color
Picture Total Pixels -----PAL: 628×582 Pixels , NTSC: 510×492 Pixels
Horizontal Resolution -----480 TV Lines
View Angle ----- PAL 60°; NTSC:40°
Minimum Illumination ----- 0Lux
Night Vision Range -----10 Ft.
Bandwidth---18M
Consumption Current ----85mA(IR OFF) & 160mA(IR ON) (Max.)
Power Supply---DC 9V to 12V
Dimensions --- 2 ¼" Dia. x 3 ½ L" (Without antenna and power cord)
Weight -----9 oz. (Excludes clamping base)

Booster antenna (Two antennas are included)–

Transmission Frequency-----ISM 5.800 MHz
Weather proof magnet base with permanent mounting fitting.
Antenna base dimensions -----4&1/4" Dia. X 2&1/2" H
Antenna rod ----- 11" Long x ½" Dia.
Antenna Cable ----5 meters / 16.4 Feet
Signal strength gain 7 Db.
Weight-----14 Oz. With cable

Warranty

ÉTrailer Eyes® products are guaranteed with a one year warranty, which covers workmanship and materials. The warranty is limited to repair or replacement.

ÉThis warranty becomes void if the product shows evidence of having been misused, mishandled or tampered with contrary to the applicable instruction manual.

ÉNormal cosmetic and mechanical wear and tear are not covered under the terms of this warranty.

ÉThe warranty does not cover the shipping cost, insurance or any other incidental charges.

ÉCall Trailer Eyes® before sending any product back for repair. We will issue you a return authorization number

and the instructions for warranty service. We will need a copy of the purchase receipt and a brief explanation of the problem.

ÉTo the maximum extent permitted by applicable law, Trailer Eyes®, its subsidiaries and licensors hereby disclaim all liability arising out of any use of this product and its contents.

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