

5" and 7" Vision S Camera System Système de caméra Vision S de 5 et 7 po Sistema de cámara Vision S de 5" y 7"

*Instruction Manual
Manuel d'instructions
Manual de instrucciones*



- * The packing contents may be different based on the kit you purchased. Please take the actual product as standard.
- * Le contenu de l'emballage peut être différent en fonction de la trousse achetée. Veuillez prendre le produit réel en référence.
- * Es posible que los contenidos del embalaje sean diferentes según el kit que haya comprado. Tome el producto real como estándar.

Models/Modèle/Modelo:

FOS07TASK/FOS07TASR/FOS07TASE/FOS07TASF
FOS07TAEK/FOS07TAED/FOS07TAPK/FOS07TAPT
FOS05TASK/FOS05TASR/FOS05TASE/FOS05TASF
FOS05TAEK/FOS05TAED/FOS05TAPK/FOS05TAPT

Welcome

Thank you for purchasing this Furrion® Vision S Camera System. Before operating your new product, please read these instructions carefully. This instruction manual contains information for safe use, installation and maintenance of the product.

Please keep this instruction manual in a safe place for future reference. This will ensure safe use and reduce the risk of injury. Be sure to pass on this manual to new owners of this product.

The manufacturer does not accept responsibility for any damages due to not observing these instructions.

If you have any further questions regarding our products, please contact us at **support@furrion.com**

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Important Safety Instructions

READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR USING THE SYSTEM

This product is intended to assist in safe driving and to allow the driver to have a broader view while the vehicle is in reverse. You, as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers according to your local traffic regulations. Do not use any features of this system to the extent it distracts you from safe driving. Your first priority while driving should always be the safe operation of your vehicle. Furrion cannot accept any responsibility for accidents resulting from failure to observe these precautions or safety instructions.

1. This product utilizes high voltage. Any unauthorized modifications or damage to the product may result in electrical shock. Handle all components with care. Inspect regularly for damage to components and cabling.
2. You are responsible for ensuring the installation of this product does not void or affect the vehicle manufacturer's warranty. Furrion is not liable in full or in part for improper installation resulting in loss or damage to your property, or for voiding all or part of the vehicle manufacturer's warranty.
3. Do not apply excessive force to any of the components contained within this kit. Excessive force used before, during or after installation that results in a damaged or nonfunctional part will void all warranties.
4. Please follow the procedures in this instruction manual. Improper installation or modification of this product will void all warranties.

Many jurisdictions have laws and regulations relating to the use of cameras and some do not allow for the obstruction of information contained on a license plate. Before using this product, it is the buyer's responsibility to

be aware of and comply with any applicable laws and regulations that apply to license plates or may prohibit or limit the use of cameras.

Electrical Safety

- A battery or 12V DC electrical system presents a risk of electrical shock or burn. Ensure all power sources are isolated before installation.
- Insulate unconnected wires with vinyl tape or similar.
- Use insulated tools when working with a power supply.

Caution

- There are no serviceable parts in the Furrion Wireless Observation Camera System. Do not disassemble or attempt any repairs.
- There are no fuses or disconnects in the Furrion Wireless Observation Camera System. Install external fuses/breakers as required.

Installation

- Installation and wiring of this product require specialist skills. To ensure proper and safe installation, please seek a specialist technician.
- Only use supplied or recommended parts.
- Use watertight connectors for the camera power supply cable to power source.
- Connect the camera to a 12-24V DC circuit using 18AWG or larger cables.
- Ensure correct polarity of DC power supply to the camera.
- To reduce the risk of fire, connect the camera only to a circuit provided with a maximum branch-circuit over current protection device.
- Do not route wiring in areas that may get hot.
- Take necessary precautions when working at elevated levels.

Important Safety Instructions

Use

- Electrical appliances and overhead power lines can affect the wireless signal.
- Do not place the monitor in a location where it might hinder field of vision while driving.
- Consideration should be given to any airbags when installing the monitor. Do not place the monitor where it might hinder the airbag or become hazardous if the airbag is deployed.

Care

- Do not wash the vehicle with an automatic car wash or high pressure water. This may damage the camera.
- Clean the LCD screen with a microfiber cloth. Do not use coarse or abrasive materials.
- Do not use alcohol or ammonia based products to clean the LCD screen. Only use specialist screen cleaning products.
- Use a wet cloth to clean the camera lens. A dry cloth may scratch the camera lens.

FCC Statement

The equipment complies with RF exposure limits. This module is limited to installation in mobile or fixed applications. The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE: 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.

RF Exposure

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Important Safety Instructions

IC Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with RSS-102 — Radio Frequency (RF) Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

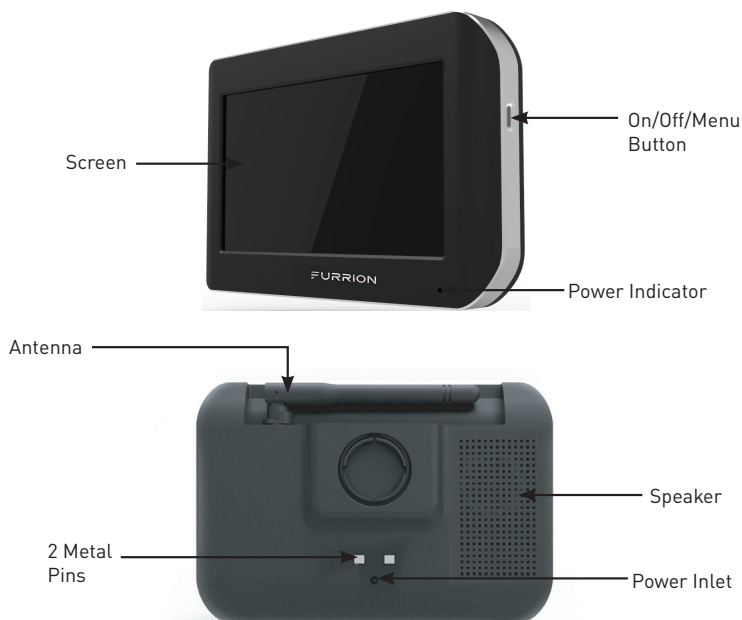
Product Overview

Product Description

The Furrion Vision S Camera System is designed to assist the driver by providing a clear and wide image of the area behind the vehicle whenever the vehicle is shifted into reverse. Never rely solely on this product to ensure the area is clear of children and/or obstructions. Use your monitor and look both ways. This product is not intended to replace existing safety procedures, but rather to add an additional safety tool for your vehicle.

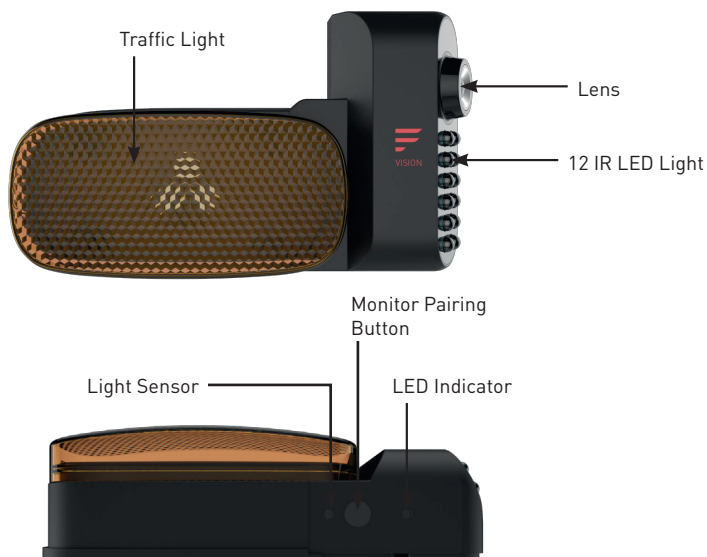
CAUTION: Do not back up your vehicle while watching the monitor screen. Always look in the direction the vehicle is traveling. Use the monitor as an aid to ensure there are no children or obstructions. The image on the monitor is not designed to show distance and may be misleading. The actual distance is less than appears in the monitor. The range of the image is limited. Be aware of blind spots.

Monitor

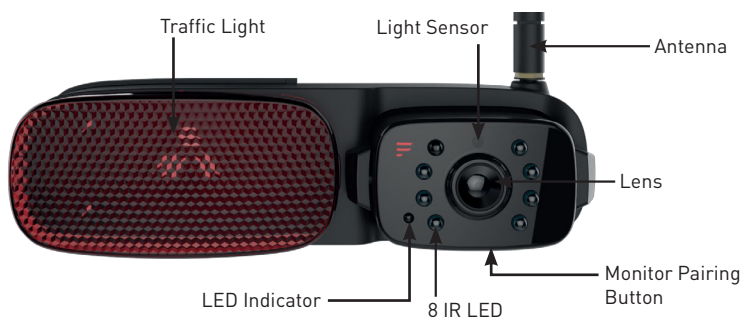


Product Overview

Left/Right Camera



Doorway/Rear Camera



Getting Started

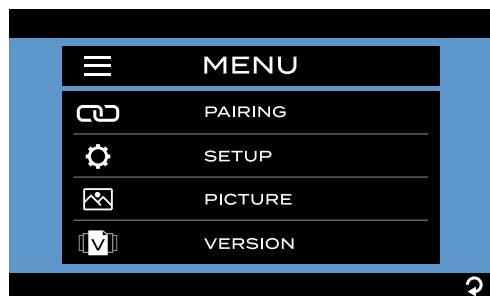
The camera and monitor need to be paired the first time you are using your Vision S Camera System.

NOTE: Ensure both the camera and monitor have power supplied during Pairing and setting processes. (*The vehicle may need to be running.*)

Activate the Monitor

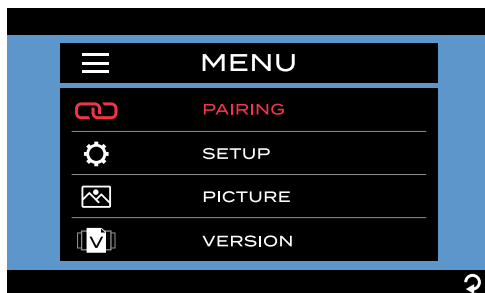
In off mode, press the **Menu** button on the right of the monitor to turn on the monitor and enter the menu setting page. In on mode, press the **Menu** button to activate the menu setting page.

There are four options that allow you to set the wireless vehicle rear observation system before operating. Touch one of the four options to enter the setting page or press ↻ to return to previous page.



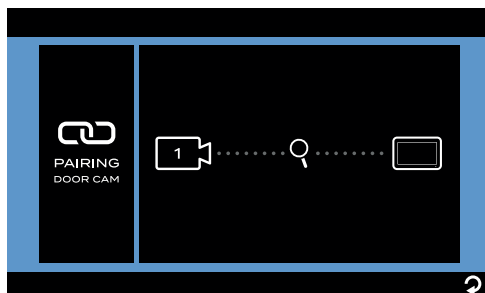
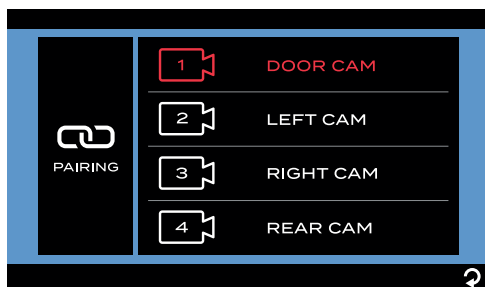
Pairing the Camera and Monitor

1. Touch **PAIRING** on screen. The **PAIRING** will be highlighted in red once selected and enter the submenu automatically.




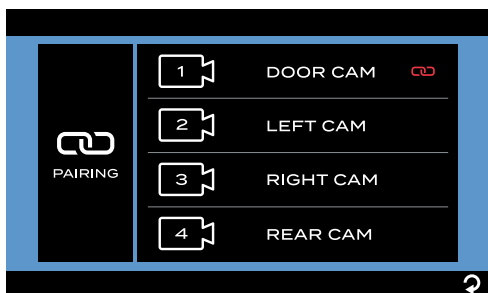
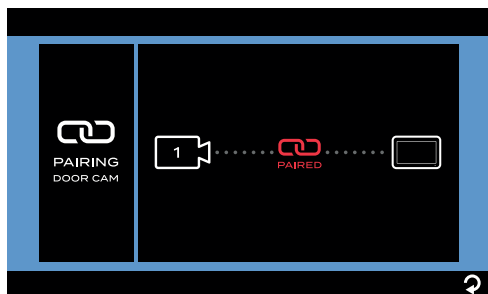
2. Select the desired camera you are going to pair. Press "**MONITOR PAIRING**" button at the bottom of the selected camera for 3 seconds to pair.

NOTE: The monitor can only pair to one camera for each channel and a total of four cameras are supported.

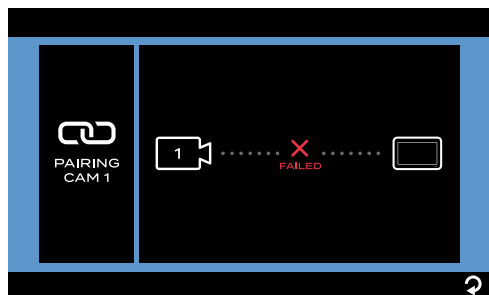


Getting Started

- Once paired successfully, a red  icon will appear after the device list.



- An **X** icon indicates pairing failed, repeat steps 2 and 3 to pair again.



- Repeat steps 1 to 4 to pair the other cameras.
- Refer to “**General Setup**” section on detail settings of the camera.

Installation

COMPLETELY READ THIS MANUAL BEFORE INSTALLATION

NOTE: We have included all of the items needed for most standard installations, but all vehicles are different. We recommend you review your vehicle completely before starting.

What's in the Box

Make sure you have all the following items included in the packaging. If any item is damaged or missing, contact your dealer.

- Monitor x 1
- Windshield Stand x 1
- Interior Table Stand x 1
- Monitor Power Cable x 1
- Camera (different by model)
- Warranty Card x 1
- Instruction Manual x 1

NOTE: The contents included may be different based on the kit you purchased. Please take the actual product as standard.

Monitor Installation

Choose a monitor location in your vehicle that does not block your view and complies with local laws for safe driving. Do not place in an area where it might interfere with driving.

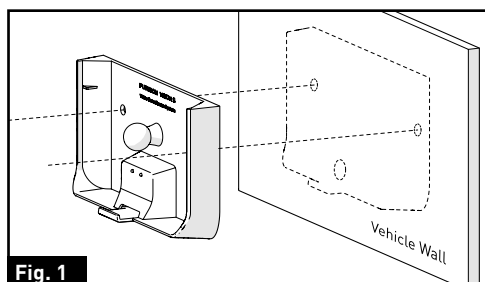
WARNING: To prevent the risk of electric shock or fire, during installation, remove the key from the ignition and isolate the 12V or 24V power source.

Wall-mount Installation (sold separately)

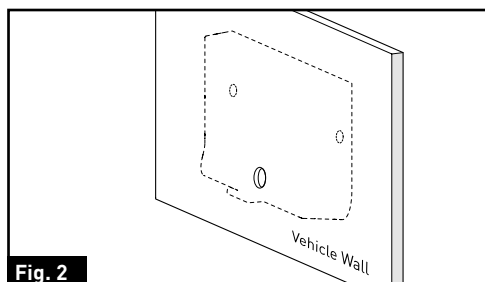
CAUTION: Ensure there are no electrical cables, gas lines, pipes or other important parts behind the wall where the drill holes will be.

1. Select a suitable mounting position where you are going to locate your monitor.

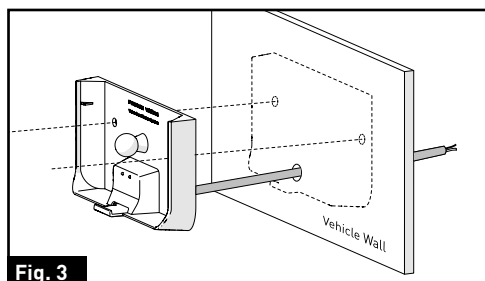
2. Mark a basic outline on the wall using the provided mounting bracket. (Fig. 1)



3. Drill a $\frac{5}{8}$ " hole on the vehicle wall where the mounting bracket wire feeds in using a $\frac{5}{8}$ " hole saw. (Fig. 2)



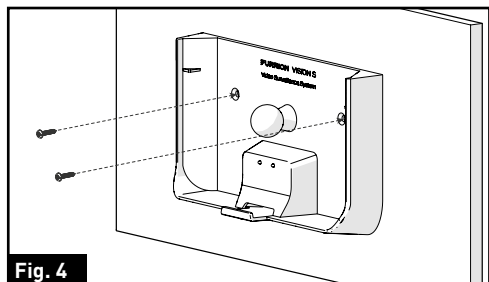
4. Feed the bare end of the mounting bracket wire into the hole and connect to the supplied camera power cable. (Fig. 3)
NOTE: Connect black to black, red to red. Red is positive "+" and black negative "-".



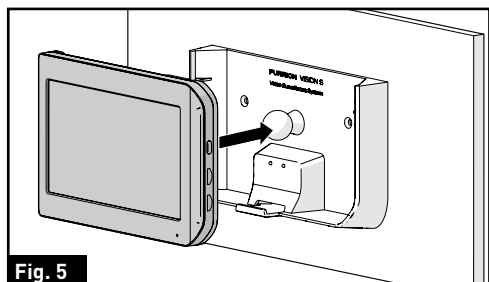
Installation

5. Fix the mounting bracket onto the vehicle wall using 2 flat self-tapping screws provided. (Fig. 4)

NOTE: Make sure the "FURRION VISION S" is facing up while installing.



6. Align the monitor into the installed bracket and push firmly until the dot bullet locks into the monitor. (Fig. 5)



Tabletop Installation

To prevent your monitor from fall damage during driving, the tabletop mounting bracket is designed with 4 non-slip pad attached under the bracket.

1. Select a suitable mounting position where you are going to secure your monitor.
2. Feed the supplied camera power cable through the hole on back of the tabletop bracket and insert into the monitor power port. (Fig. 6)

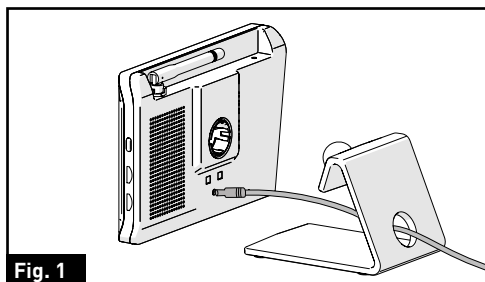


Fig. 1

3. Align the dot bullet of the tabletop bracket with the opening on back of the monitor and push firmly until locked into place. (Fig. 7)

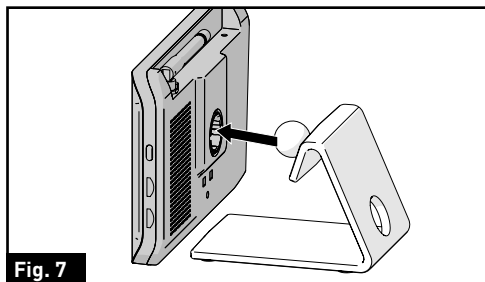


Fig. 7

4. Rotate the monitor to adjust the visual angle as needed.

Installing on Windshield

1. Clean the mounting area where you are going to install the monitor with a cleaner that does not leave a residue.
2. Remove the protective film from the bottom of the suction cup.
3. Carefully position the suction cup on the windshield and rotate the locking arm downwards to stick securely. (Fig. 8)

Installation

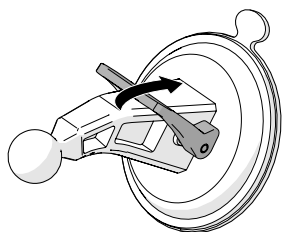


Fig. 8

4. Align the dot bullet of the suction cup with the opening on back of the monitor and push firmly until locked into place. (Fig. 9)

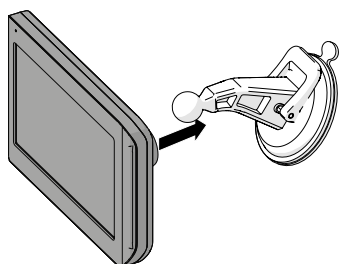


Fig. 9

5. Rotate the monitor to adjust the visual angle as needed.

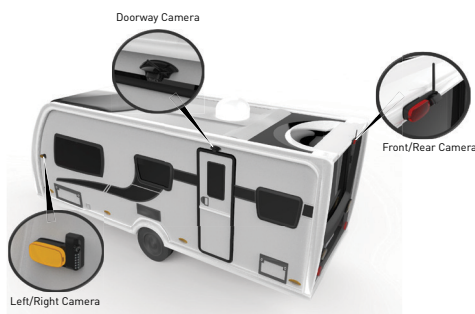
Camera Installation

CAUTION: Ensure there are no electrical cables, gas lines, pipes or other important parts behind where the drill holes will be. To prevent the risk of electric shock or fire, during installation, remove the key from the ignition and isolate the 12V or 24V power source.

Suitable Installation Position

- For optimum performance, the camera should be mounted where there is minimal obstruction between the camera and monitor. Dense side-wall material and electrical appliances can reduce signal strength.


- Where practical, as high as possible at the rear of the vehicle.
- Horizontal-center of the vehicle or as close as is optimal.
- Mount camera at least 2 inches above or below running lights. Close proximity to lights may cause image blooming, blurring and reduced night vision performance.
- The area should be flat with enough surface area to accommodate the bracket.
- The surface area should be clean and dry for a watertight installation.
- Ensure that power can be fed to the installation area from within the vehicle.



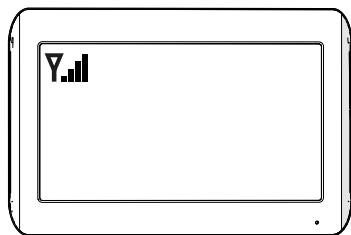
Camera Location

Testing

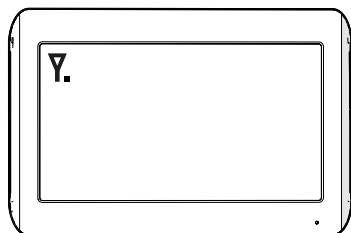
Prior to permanently mounting the camera, it is advisable to check if the intended mounting location will achieve adequate signal.

- Pair the camera and monitor (see **Pairing the Camera and Monitor** section).
- Temporarily secure the camera in the intended location or as close as possible.
- Check signal icon  on the monitor. Ideally there should be 3-4 bars.
- If the signal is 0-1 bars, reposition the camera and or monitor. The signal can also be improved by decreasing the amount of obstructions between the camera and monitor.

Installation



Good Signal



Poor Signal

Doorway Camera Installation (if purchased)

1. Select a suitable mounting position where you are going to install the doorway camera. Mark a basic outline using the provided bracket gasket. (Fig. 10)

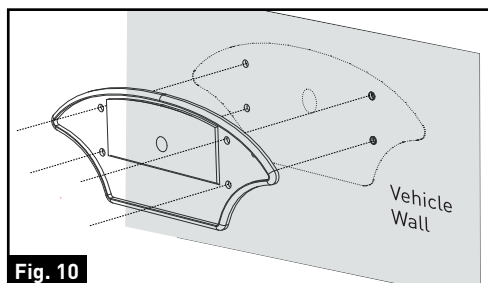


Fig. 10

2. Drill a $\frac{5}{8}$ " center hole on the vehicle wall using a $\frac{5}{8}$ " hole saw. (Fig. 11)

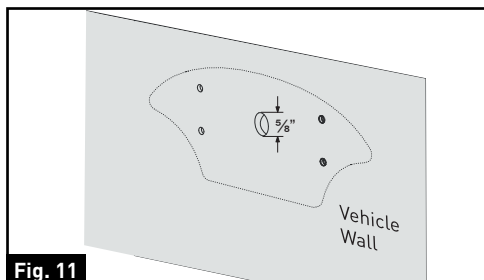


Fig. 11

3. Feed the supplied 6-foot camera power cable through the gasket. Ensure the bare end of the cable goes into the vehicle and the flat side faces inward. (Fig. 12)

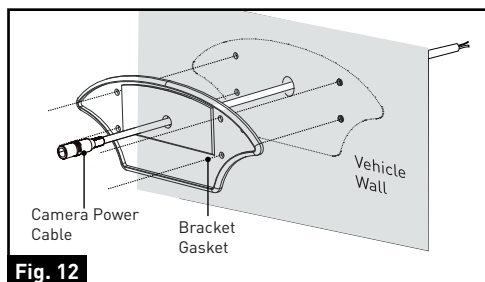


Fig. 12

4. Fix the gasket and bracket to the vehicle using four $\frac{3}{4}$ " flat self-tapping screws. Make sure the camera power cable is not wrapped or extruded. (Fig. 13)

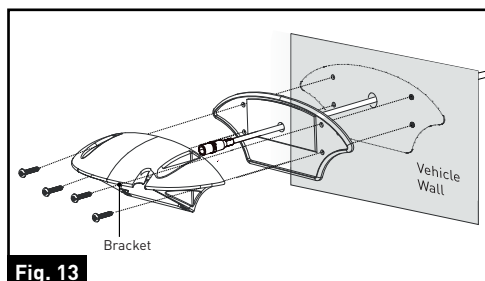


Fig. 13

5. Make sure the sealing lip around the edge of the gasket is seated over the edge of the bracket before fully tightening the screws.

Installation

6. If only installing the mounting bracket, secure the camera power cable inside the mounting and attach the cover. (Fig. 14)

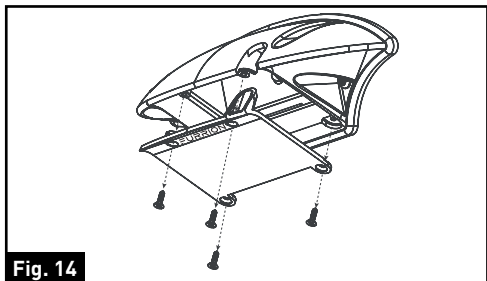


Fig. 14

7. If a doorway camera is to be installed, remove the Bracket Cover by unscrewing the four screws. (Fig. 15)

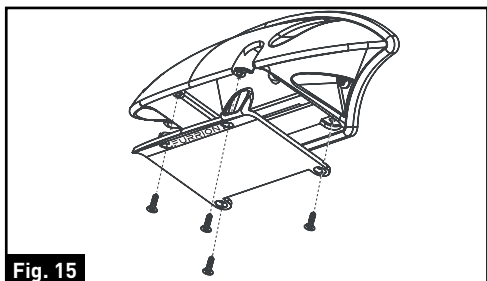


Fig. 15

8. Pull out the camera power cable, leaving approx 2 inches of slack. (Fig. 16)

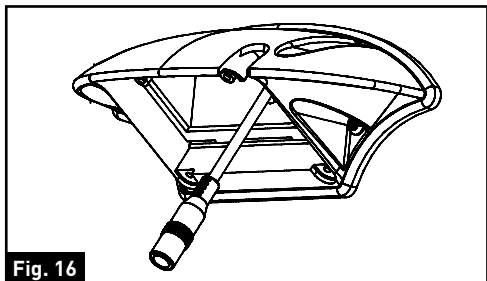


Fig. 16

9. Connect the camera power cable to the camera cable. (Fig. 17)

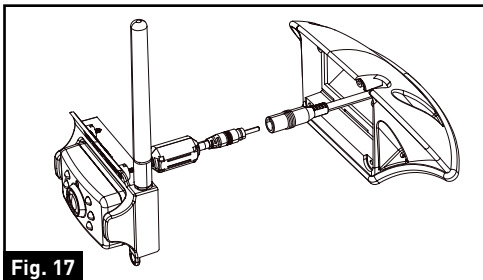


Fig. 17

10. Place the attached cables and connections into the bracket housing by first placing the cable to the right. (Fig. 18)

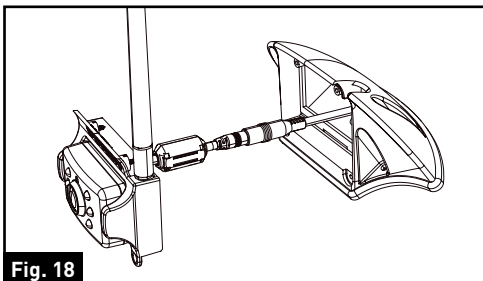


Fig. 18

11. Place the camera cable filter in the left of the bracket housing. (Fig. 19)

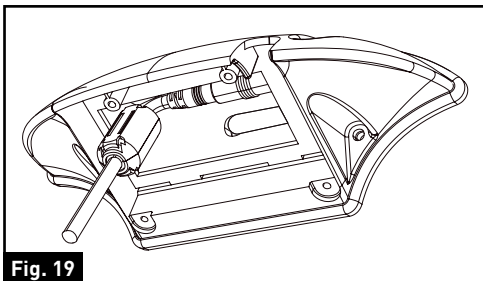
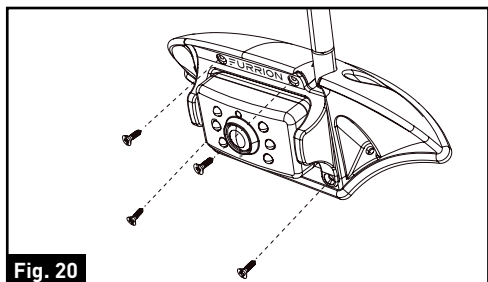


Fig. 19

Installation

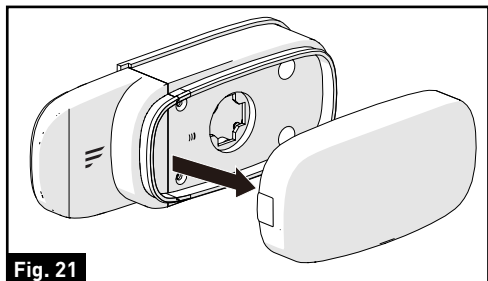
12. Gently place the camera into the bracket and secure with 4 flat self-tapping screws. Make sure the connections and the camera antenna are secured tightly. (Fig. 20)



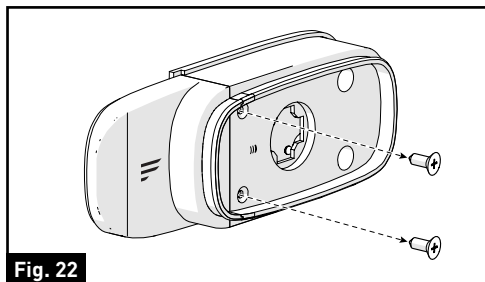
Left and Right Camera Installation (if purchased)

A traffic light must be installed together with the camera. For best performance, we recommend a Furrion traffic light is selected.

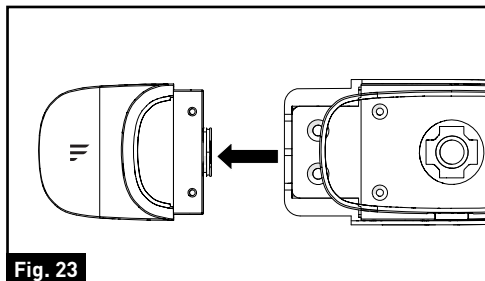
1. Select a suitable position on the side of the vehicle wall where you would like to install the camera.
2. Remove the lens cover by scratching the slot on the side of the traffic light. (Fig. 21)



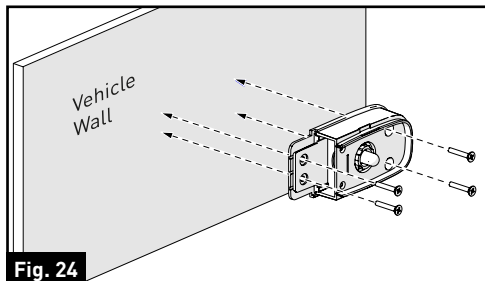
3. Remove the two screws holding the decorative part using a Phillips-head screwdriver and set aside. (Fig. 22)



4. Pull to remove the decorative part from traffic light and save in a safe place in case of future use. (Fig. 23)

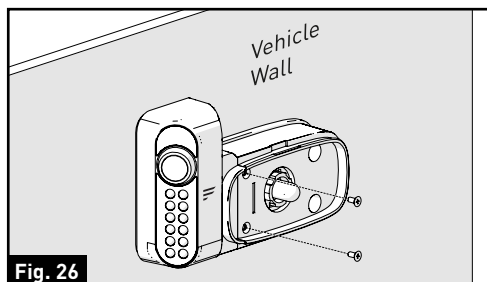
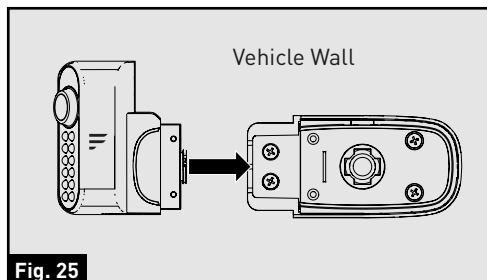


5. Secure the traffic light base on the vehicle wall using the four flat self-tapping screws (quad drive flat head #6 x 3/4" self-drilling wood screw). (Fig. 24)

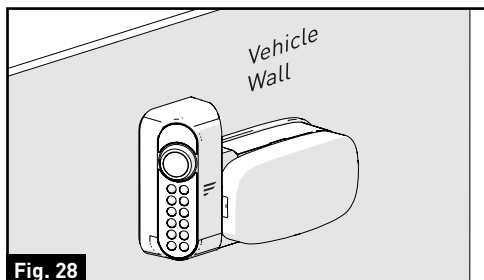
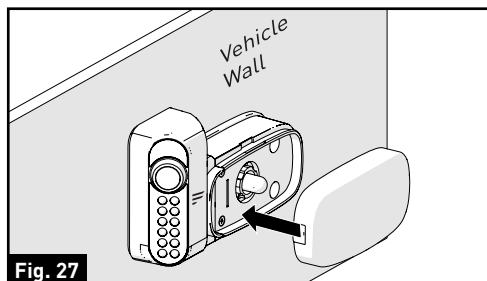


Installation

6. Insert the left camera into the traffic light base and secure with the two flat self-tapping screws provided. (Fig. 25 and Fig. 26)



7. Replace the lens cover over the traffic light base and press until a "click" is heard. The camera is now fully installed onto the vehicle. (Fig. 27 and Fig. 28)

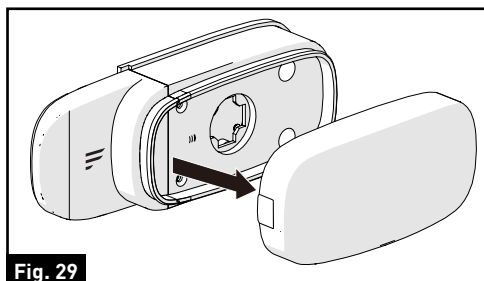


8. Repeat steps 1 to 7 to install the right camera.

Front and Rear Camera Installation (if purchased)

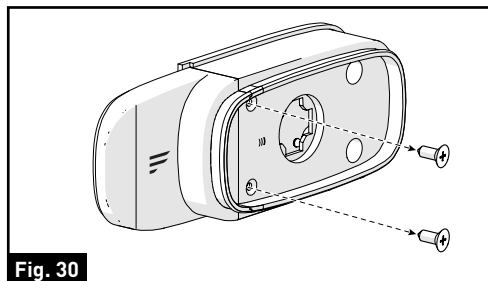
A traffic light must be installed together with the camera. For best performance, we recommend a Furrion traffic light.

1. Select a suitable position on front or back of the vehicle wall that you would like to install the camera.
2. Remove the lens cover by scratching the slot on the side of the traffic light. (Fig. 29)

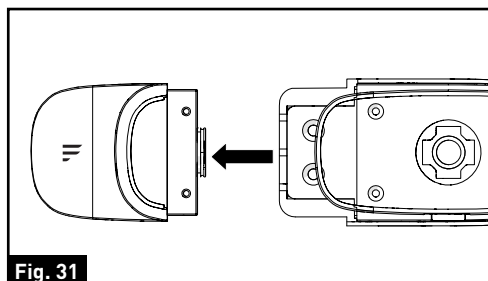


Installation

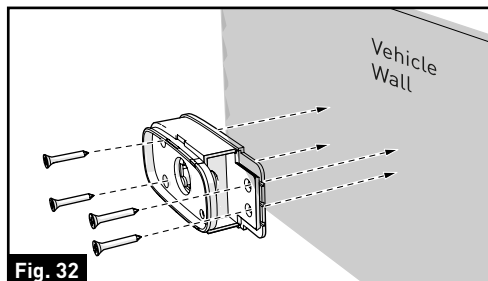
- Remove the two screws holding the decorative part using a Phillips screwdriver and set aside. (Fig. 30)



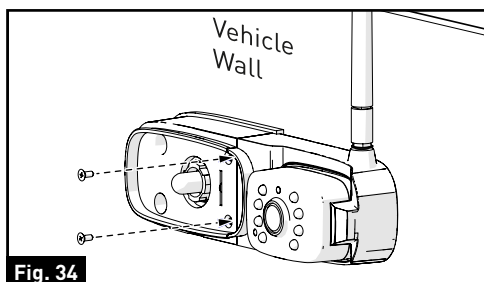
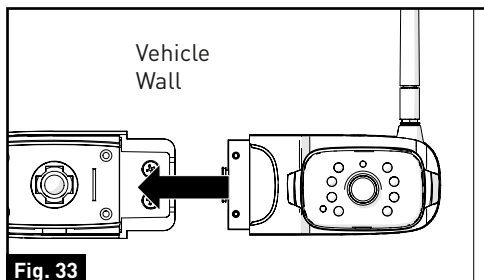
- Pull to remove the decorative part from traffic light and save in a safe place in case of future use. (Fig. 31)



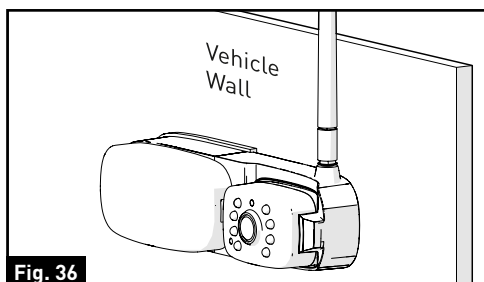
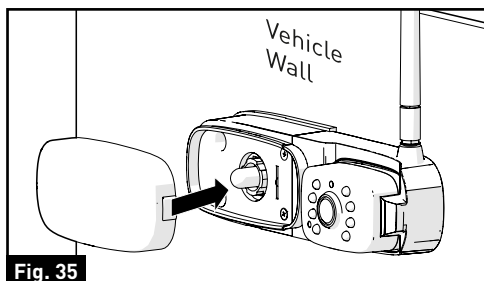
- Secure the traffic light base on the vehicle wall using four flat self-tapping screws (quad drive flat head #6 x 3/4" self-drilling wood screw). (Fig. 32)



- Insert the front or rear camera into the traffic light base and secure with the two flat self-tapping screws provided. (Fig. 33 and Fig. 34)



- Replace the lens cover over the traffic light base and press until you hear a "click". The camera is fully installed onto the vehicle. (Fig. 35 and Fig. 36)

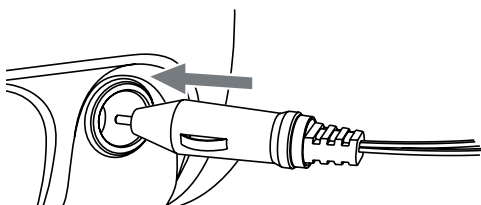


Installation

Electrical Connections

Connecting the Monitor

- Route the power cable to the vehicle's cigarette lighter socket 12/24V power outlet. The cable must not interfere with the safe operation of the vehicle.
- Insert the small 12/24 Volt DC plug of the power cable into the right side of the monitor.
- Plug the 12/24 Volt cigarette lighter plug into the vehicle's cigarette lighter socket.



Connecting the Camera

⚠ WARNING

When connecting wires, ensure the circuit is isolated by disconnecting the negative terminal on the battery.

- Ensure correct polarity when wiring the cables. RED + BLACK -.
- Ensure correct polarity when wiring.
- Wire connections and terminals must be sealed and waterproof.

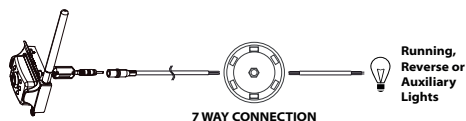
The Furrrion Vision S Camera System can be connected to an electrical power source via a 7 Way Connector.

Wiring to running lights: the camera will activate when the running lights are switched on.

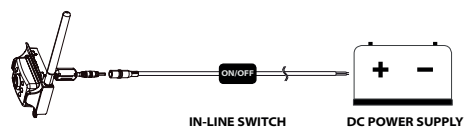
Wiring to reverse lights: the camera will activate when the vehicle engages reverse gear.



Consult the vehicle's service manual for specific wiring color code.

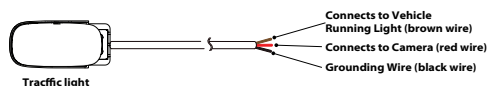


When wiring this camera directly to a 12V battery or converter in your RV, use an in-line switch on the power cable to power on or off your camera. This will enable this camera to be used when parked without a tow vehicle connected.



Connecting the Traffic Light

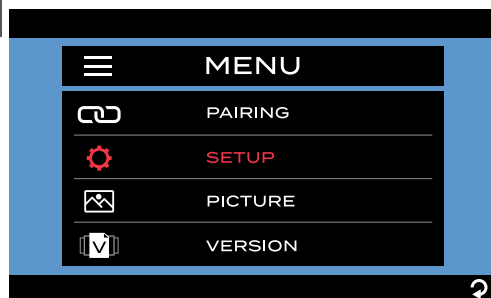
- Route the power cable to the vehicle's 12/24V running light. The cable must not interfere with the safe operation of the vehicle.



Change Settings

Camera Setting

Touch **SETUP** on screen. The **SETUP** will be highlighted in red once selected and enter the submenu automatically.

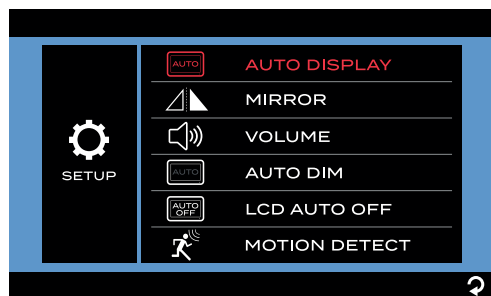


3. Press **DOOR**, **LEFT**, **RIGHT** or **REAR** to enable or disable one or more camera(s) as auto displaying camera(s) when using the wireless vehicle rear observation system.

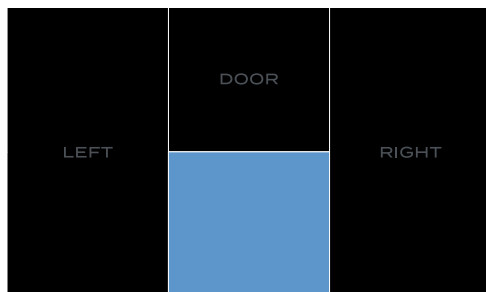
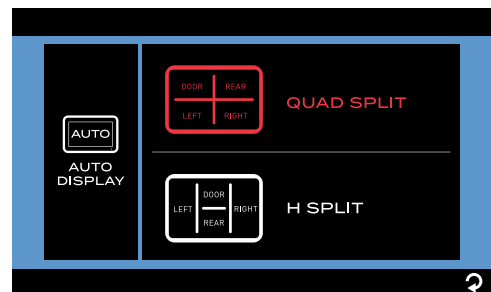


AUTO DISPLAY SETTING

1. Touch **AUTO DISPLAY** on screen to enter the submenu.

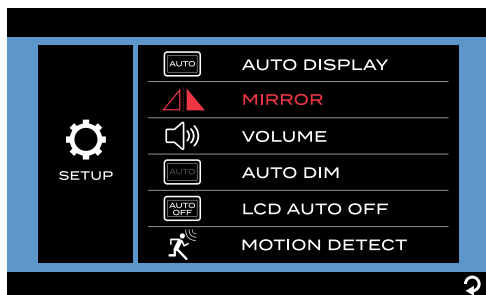


2. Touch to set the cameras layout as **QUAD SPLIT** or **H SPLIT**. The current selected setting will be highlighted in red.



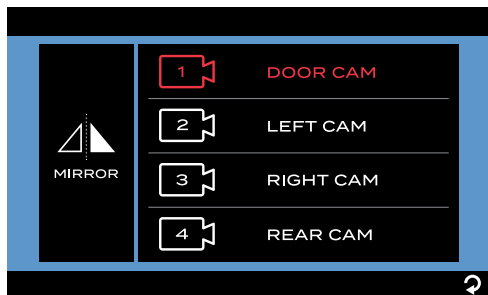
MIRROR SETTING

1. Touch **MIRROR** on screen to enter the submenu. The current selected setting will be highlighted in red.

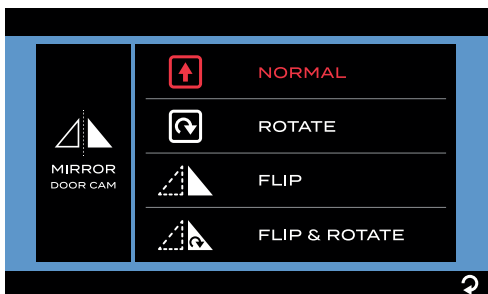


2. Select the desired camera you are going to set.

Change Settings



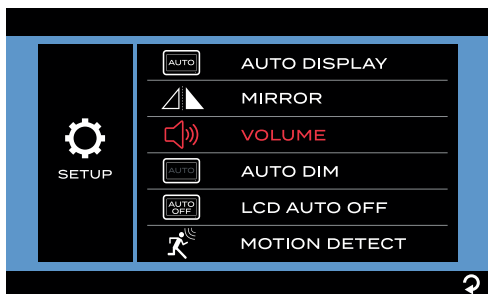
3. Touch to set the camera image rotation angle as **NORMAL** (0°), **ROTATE** (90°), **FLIP** (180°) or **FLIP and ROTATE** (270°).



4. Repeat steps 2 and 3 to set the other camera.

VOLUME SETTING

1. Touch **VOLUME** on screen to enter the submenu.

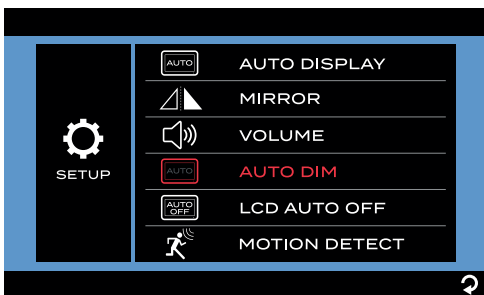


2. Press **X** or **+** to decrease or increase the volume or door and rear cameras.

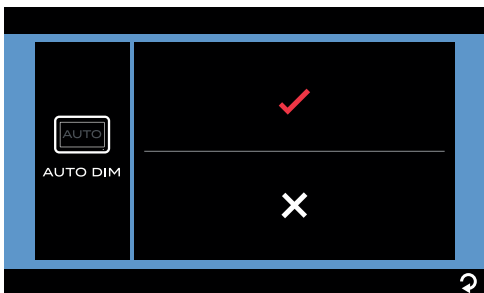


AUTO DIM SETTING

1. Touch **AUTO DIM** on screen to enter the submenu.



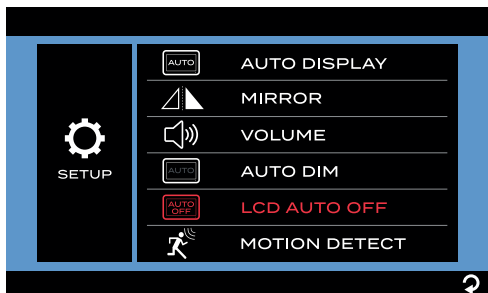
2. Press **✓** or **X** to enable or disable the screen brightness auto adjustment function.



Change Settings

LCD AUTO OFF SETTING

1. Touch **LCD AUTO OFF** on screen to enter the submenu.



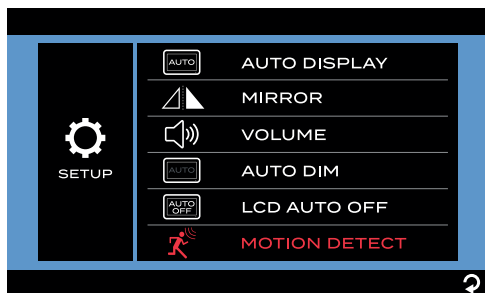
2. Press to set the LCD auto off time as **10 SEC**, **20 SEC**, **30 SEC** or **X** (off). Press Menu button on the right of the monitor to recover display when LCD display off.



MOTION DETECT SETTING

The motion detect function is used to detect objects in motion and assist in safe driving while the vehicle is in reverse. When on, the monitor LCD will be illuminated automatically when motion is detected.

1. Touch **MOTION DETECT** on screen to enter the submenu.



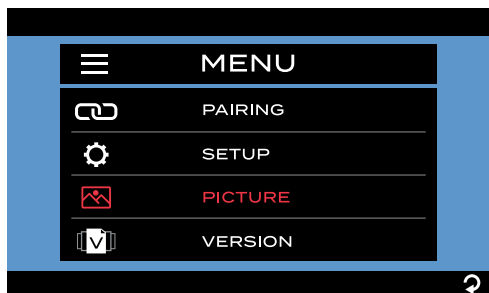
2. Press to set the camera detection sensitivity as **LOW**, **MEDIUM**, **HIGH** or **X** (off).



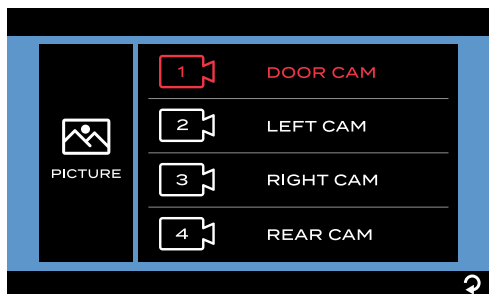
Change Settings

Picture Setting

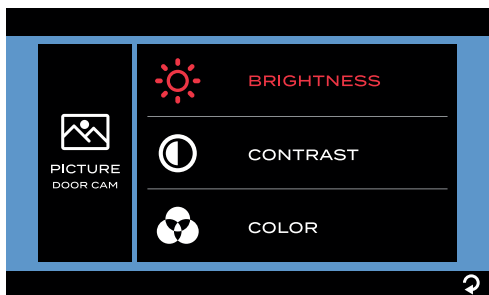
1. Touch **PICTURE** on screen. The **PICTURE** will be highlighted in red once selected and enter the submenu automatically.



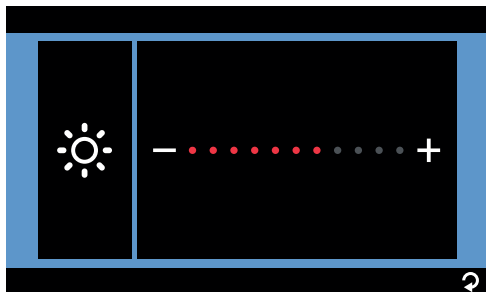
2. Select the desired camera you are going to set.



3. Touch to select BRIGHTNESS, CONTRAST or COLOR and enter the submenu.



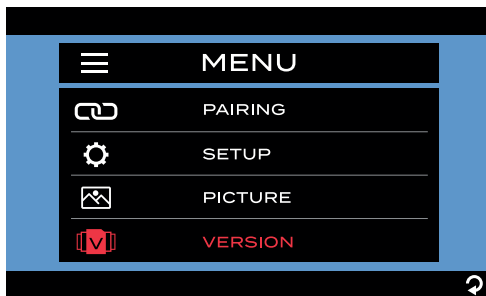
4. Press — or + to change the settings.



5. Repeat steps 2 to 4 to change the other camera(s) settings.

Software Version

Touch **VERSION** on screen to show the software version of the monitor and the current paired camera(s).



Operation

The Wireless Vehicle Rear Observation System operates when the vehicle is shifted into reverse. The Camera transmits a clear and wide image with Audio from the area behind the vehicle to the monitor inside the vehicle. During the vehicle in moving, the speaker is recommended to be mute.



The monitor, when powered, remains in sleep mode until it receives a video signal on the 2.4GHz frequency. When the monitor receives a video signal, it automatically turns on and displays the image from the camera.

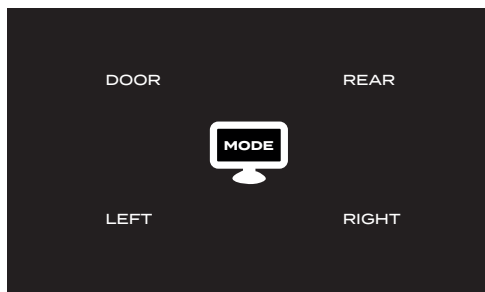
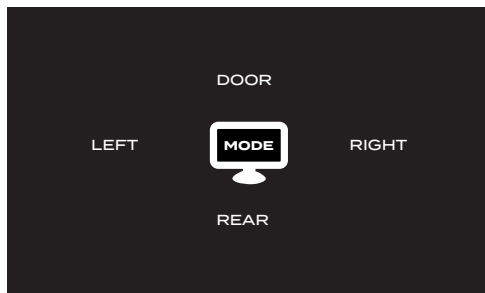
The monitor automatically adjusts for color, brightness, and contrast, for either daytime viewing or nighttime viewing. At night the picture will appear Black and White. This is due to the low light level and is normal.

NOTE: Because this is a wireless system, the monitor is always watching for a video signal. It is possible to receive signals from other cameras. Systems such as security cameras, baby monitors, and even other back up camera systems can trigger the monitor to briefly turn on. This is normal for wireless products. If you find you have too much activation due to video signals in your area, use the included monitor power wire and run it to the rear of the vehicle. Attach it to the same power source as the camera, this will insure the monitor will only come on when you are in reverse and will eliminate any false signals.

Operating the System

When in quadrant mode:

1. Touch the center of the monitor screen to show the  icon.
2. Press  to switch between **QUAD SPLIT** and **H SPLIT**.

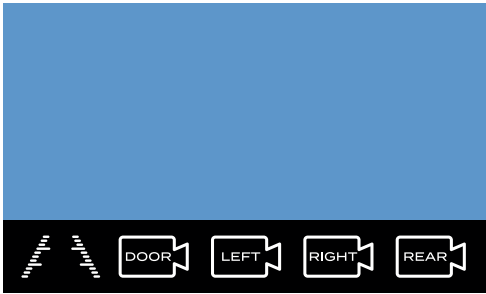


3. Press **DOOR, LEFT, RIGHT** or **REAR** to select one of the desired cameras and view the image from the area behind the vehicle.

Operation

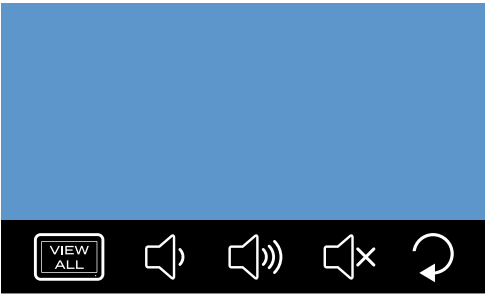
When in single channel mode:

Press once on the monitor screen to enter the camera selection interface.



Icon	Description
	Press to turn On/Off the on-screen guideline.
	Press to select the door camera.
	Press to select the left camera.
	Press to select the right camera.
	Press to select the rear camera.

Press twice on the monitor screen to show the menu of control.



Icon	Description
	Press to return to the quadrant mode.
	Press to decrease the volume of the monitor.
	Press to increase the volume of the monitor.
	Press to mute the monitor.
	Press to return to the previous page.

NOTE: During the vehicle in moving, the speaker is recommended to be mute.

Care and Cleaning

Though your monitor requires little care, you will still need to maintain its condition and performance by following the guidelines below.

- Keep your system away from excessive moisture, extreme heat or cold.
- Keep liquids away from the display.
- Occasionally clean the surface of the monitor with a soft cloth moistened with water or glass cleaner.

Only clean the unit with a dry cloth. Do not clean the unit with strong chemical agents or abrasive cleaners. Never spill liquid of any kind on the product. Do not allow residue or liquids to enter any part of the appliance as this may cause risk of electrocution. Always disconnect from the mains before cleaning.

CAUTION: Never use solvents such as benzene, thinner or cleaners available commercially to clean the system.

Specifications

Specifications

SUPPLY VOLTAGE	DC8 to 30V
WIRELESS FREQUENCY	2.4 GHz
WIRELESS RANGE	150m (open area)
TRANSMITTING SPEED	6 Mbps (single)
RECEIVING SENSITIVITY	-88 +/-3dBm
DECOMPRESSION FORM	H.264
DELAYING TIME	<250ms
CAMERA	
IMAGE DISTANCE	Rear: <5m / Side: <12m
CMOS SIZE	1/3"
OPTICAL LENS	Rear: F2.0 Side: F2.5
IR CUT FILTER	850nm automatic
VIEW ANGLE	Rear: 120° / Side: 65°
CURRENT (IR ON)	<500mA@12V
CURRENT (IR OFF)	<350mA@12V
CAMERA PIXEL	720x480
DISPLAY	
LCD POWER OFF	<30mA@12V
LCD BACKLIGHT ON	<500mA@12V
LCD BACKLIGHT OFF	<300mA@12V
LCD SIZE	7" / 5"
LCD RESOLUTION AT 1VIEW	720 x 480
LCD BRIGHTNESS	180cd/m² (7" monitor); 300cd/m² (5" monitor)
LCD CONTRAST	800:1 (7" monitor); 350:1 (5" monitor)
LCD VIEWING ANGLE	L/R80,U60,D70 (7" monitor); L/R65,U50,D60 (5" monitor)
LCD ASPECT RATIO	16:9

Troubleshooting

English

Problem	Solution
Monitor won't turn on (no blue LED)	Check the power cable is connected.
	Check the cigarette lighter has 12-24V 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 hold the camera pairing button for 2 seconds.
Intermittent / Weak signal icon appears	Check if the camera antenna is fitted and secured correctly - it should be vertical.
	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 electrical appliances may be affecting the wireless signal. Turn off the appliances when using the system.
	Interference from overhead power lines may be affecting the signal.
	Try unpairing and pairing.
Night vision is poor or does not function	The light sensor on the camera may be dirty or obstructed.
	Ensure the camera unit is installed at least 2 inches away from rear lights.
Monitors Blue LED no light with no picture	The camera has no power connected.
	Ensure the tow vehicle is running.
	Ensure the 7 way connector is connected.
	Ensure that the circuit the camera is connected to has power and is running.

Warranty

FURRION WARRANTS FOR A PERIOD OF 1 YEAR FROM DATE OF RETAIL PURCHASE BY THE ORIGINAL END-USE PURCHASER, THAT THIS PRODUCT, WHEN DELIVERED TO YOU IN NEW CONDITION, IN ORIGINAL PACKAGING, FROM A FURRION AUTHORIZED RESELLER AND USED IN NORMAL CONDITIONS, IS FREE FROM ANY DEFECTS IN MANUFACTURING, MATERIALS, AND WORKMANSHIP. IN CASE OF SUCH DEFECT, FURRION SHALL REPLACE OR REPAIR THE PRODUCT AT NO CHARGE TO YOU. THIS WARRANTY DOES NOT COVER: PRODUCTS WHERE THE ORIGINAL SERIAL NUMBERS HAVE BEEN REMOVED, ALTERED OR CANNOT READILY BE DETERMINED; DAMAGE OR LOSS CAUSED BY ACCIDENT, MISUSE, ABUSE, NEGLIGENCE, PRODUCT MODIFICATION, FAILURE TO FOLLOW INSTRUCTIONS IN INSTRUCTION MANUAL, COMMERCIAL OR INDUSTRIAL USE; DAMAGE OR LOSS CAUSED TO THE DECORATIVE SURFACE OF PRODUCT; TO ANY DATA, SOFTWARE OR INFORMATION; AND NORMAL WEAR AND TEAR. THIS WARRANTY ONLY PROTECTS THE ORIGINAL END-USER ("YOU") AND IS NOT TRANSFERABLE; ANY ATTEMPT TO TRANSFER THIS WARRANTY SHALL MAKE IT IMMEDIATELY VOID. THIS WARRANTY IS ONLY VALID IN THE COUNTRY OF PURCHASE.

THIS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. FURRION SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF FURRION CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

No Furrion reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Warranty

FURRION IS NOT RESPONSIBLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF ANY EQUIPMENT OR PROPERTY, ANY COSTS OF RECOVERING, REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH FURRION PRODUCTS. FURRION'S TOTAL LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THIS PRODUCT PURSUANT TO THE TERMS OF THIS WARRANTY.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXCLUSIONS OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OR CONDITIONS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY BY STATE OR (WHERE APPLICABLE IN THE COUNTRIES WHERE FURRION HAS NON-US/CANADIAN AUTHORIZED DEALERS) COUNTRY. NO ACTION OR CLAIM TO ENFORCE THIS WARRANTY SHALL BE COMMENCED AFTER THE EXPIRATION OF THE WARRANTY PERIOD.

Keep your receipt, delivery slip, or other appropriate payment record to establish the warranty period. Service under this warranty must be obtained by contacting Furrrion at **warranty@furrrion.com**

Product features or specifications as described or illustrated are subject to change without notice.



Furrion Innovation Center & Institute of Technology

● 52567 Independence Ct., Elkhart, IN 46514, USA ● Toll free:1-888-354-5792

● Email: support@furrion.com

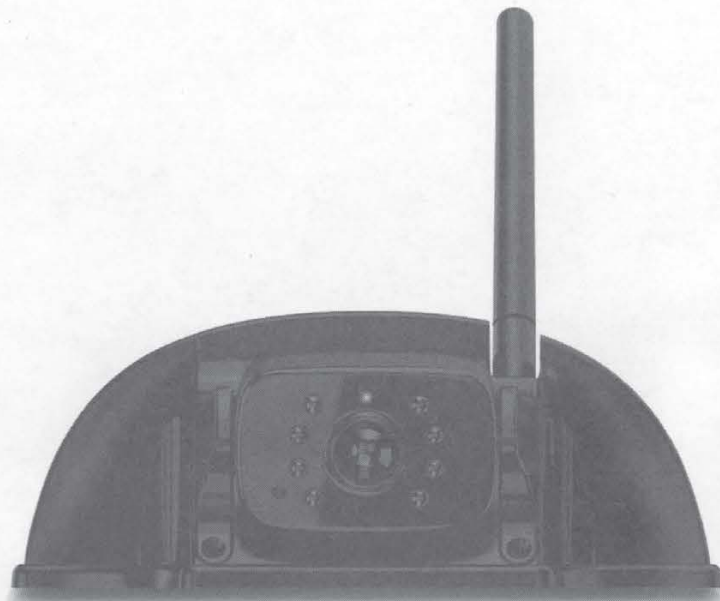
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FURRION.COM

Sharkfin Camera



Installation Guide

Models: FCN48TASF

This Installation Guide will help you install and adjust the camera properly. For further support and to download the complete user manual please visit

<https://furrion.com/pages/download-navigation>.



Prepare

1. Ensure that all items in your package match those shown in the 'What's in the box' section on the packaging box.
2. Before installation, please read and understand all the important safety-related instructions from the online user manual.
3. Prepare tools you may need, including a #2 Phillips head screwdriver, sealant, insulation tape, pencil and/or a 5/8" hole saw (needed only when drilling a new hole).

Mount bracket

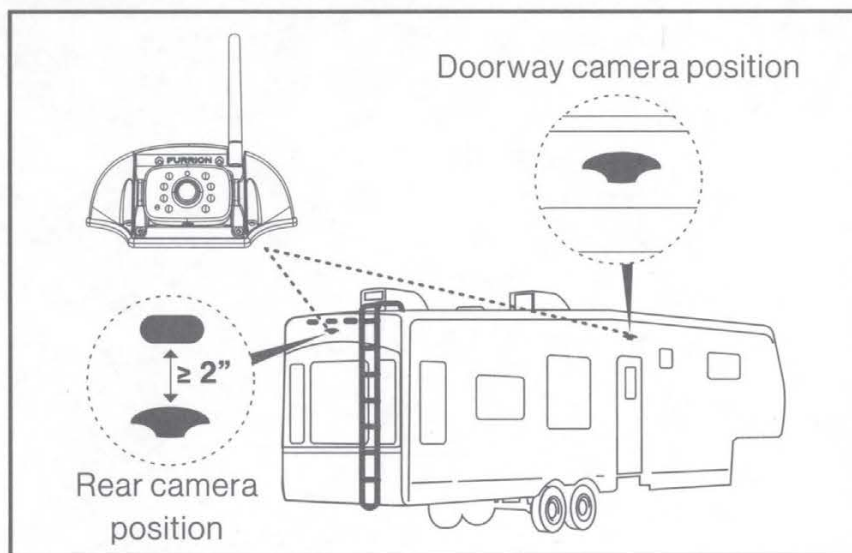
Note: Skip this section if your RV is pre-installed with a bracket for camera installation.

IMPORTANT: Before any installation and wiring operation, remove the key from the ignition and isolate the 12V / 24V power source.

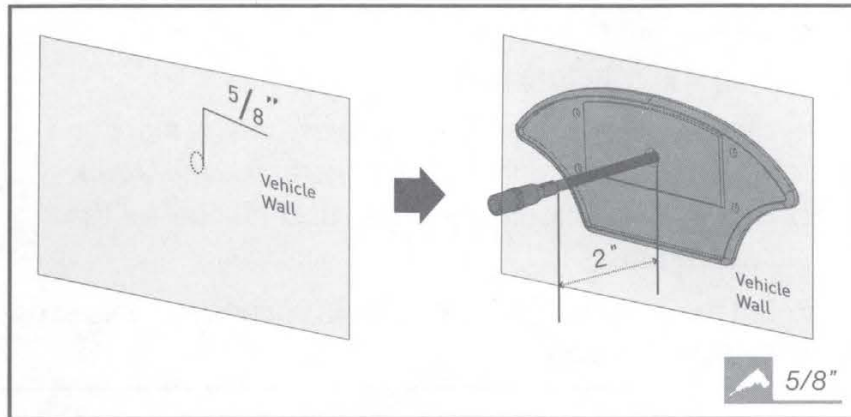
Always seek professional assistance if you are unsure about the installation and wiring operation.

1. Determine the mounting location on your RV. Ensure that there is no obstacle blocking the camera view. The recommended mounting location is shown below:
 - **For rear camera position:**
At the top center on the rear of your RV and as high as practicable (2" below the red marker light if available).
 - **For doorway camera position:**
Above the top of the door.

Note: The RV shown here is for reference only. You can mount Furrion Vision S products onto various types of long vehicles such as trailers and Class A/B/C motorhomes.



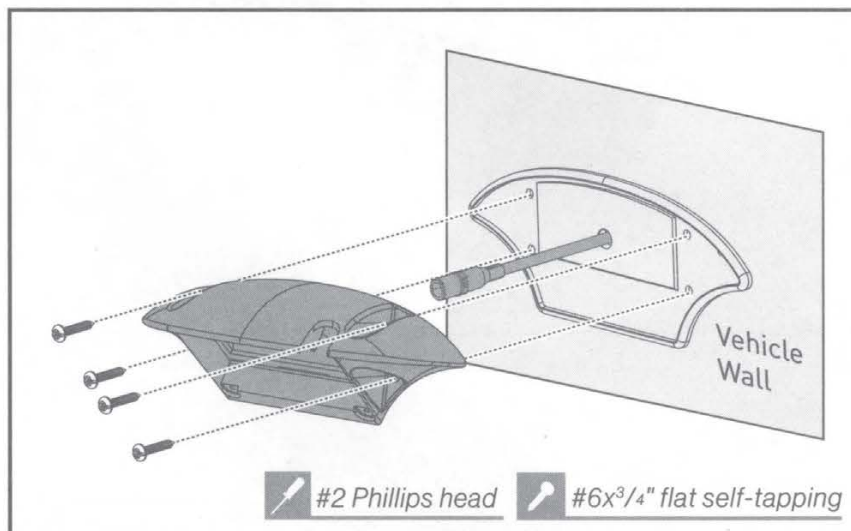
2. Use the gasket as a template to mark a basic outline on the chosen location with a pencil. Drill a 5/8" center hole. Then route the female connector of the camera power cable through the hole and leave 2 inches of slack.



3. Connect the bare ends of the camera power cable to the nearest 12V / 24V power supply.
 - **For rear camera position:**
You are suggested to share the same power line from the nearest marker light (such as the red marker light at the top center on the rear if available).
 - **For doorway camera position:**
You are suggested to share the power line from your RV porch light (or the nearest light source from the RV/trailer battery).

Note: Ensure that the fuse on the connected power line provides additional 1A fusing current for the camera. Ensure proper cable isolation for all bare ends (e.g., by using insulation tape).

4. Fix the gasket and bracket with four #6x3/4" flat self-tapping screws. If the mounting surface is uneven, apply sealant around the gasket for better sealing.

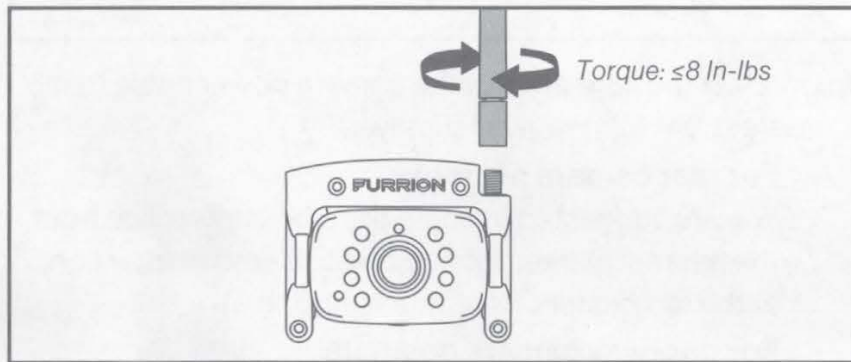


Mount camera

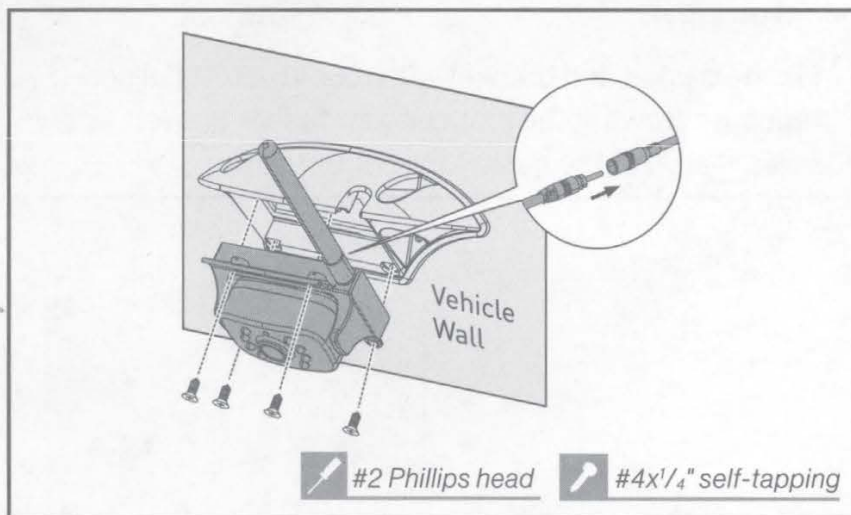
If this camera comes in a bundle with a Furrion Vision S monitor, it is paired with the monitor by default. You can connect it to the female connector on the Y type power cable of the monitor and resume power temporarily to check the pairing status before installation.

If you cannot find the video of the camera on the monitor screen or you have an unbundled camera, see the **Quick Start Guide** for the monitor or online user manual for the pairing procedures.

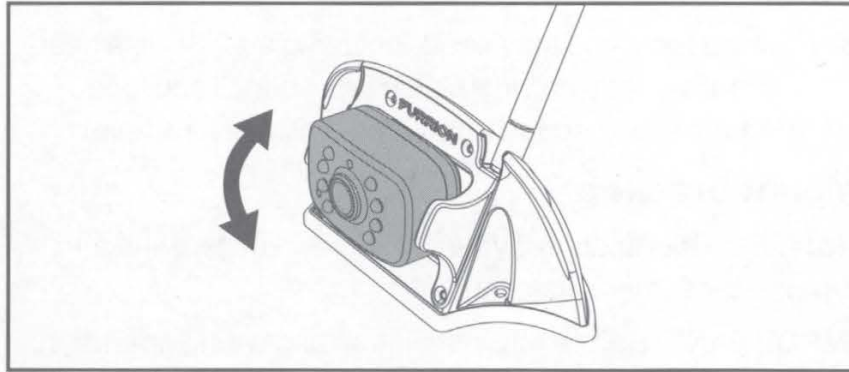
1. Mount the antenna onto the camera securely and keep the antenna straight.



2. If there is a cover on the bracket housing, remove it first. Connect the female connector of the camera power cable to the male connector on the back of the camera, and put the redundant cables inside the bracket housing. Then attach the camera to the bracket with four #4x1/4" self-tapping screws.



-
3. Adjust the view angle of the camera by rotating it upwards and downwards (0~50°) so that you can see:
(For rear camera position): the bottom edge of your vehicle and the road conditions behind;
(For doorway camera position): the bottom edge of the door.



Tip: See the complete user manual online for detailed functional explanations.



www.furrion.com/support



1-888-354-5792



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IG-FCM00008

5" & 7" Monitor



Quick Start Guide

Models: FOS07TDBK / FOS05TDBK

This Quick Start Guide will help you install and use the Vision S monitor properly. For further support and to download the complete user manual please visit

<https://furrion.com/pages/download-navigation>.



Prepare

1. Ensure that all items in your package match those shown in the 'What's in the box' section on the packaging box.
2. Before installation, please read and understand all the important safety-related instructions from the online user manual.
3. Prepare tools you may need, including a #2 Phillips head screwdriver, insulation tape, pencil and/or a 5/8" hole saw (needed only when drilling a new hole).

Install

Case 1: Mount in cab for observation

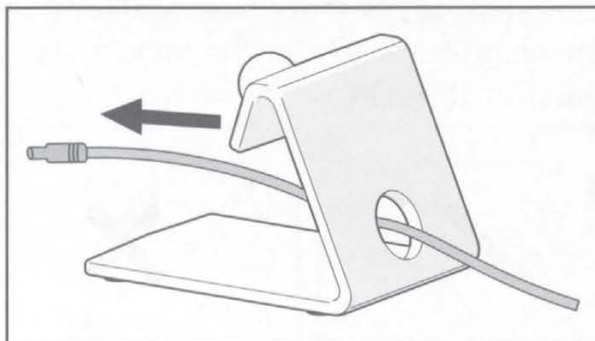
IMPORTANT: Choose a monitor location in your vehicle that does not block your view and complies with local laws for safe driving. Do not place in an area where it might interfere with driving.

1. Choose a mounting method.

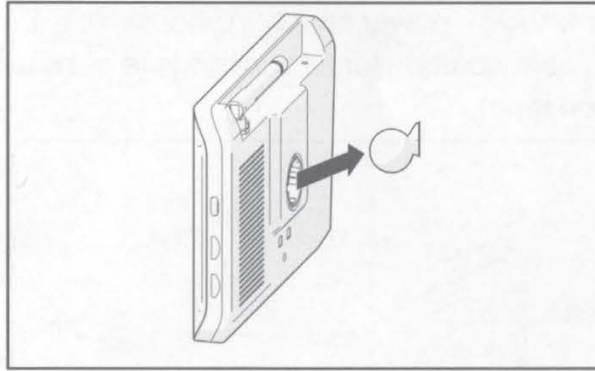
When using the windshield stand: Clean the mounting area and remove the protective film from the suction cup. Then place the suction cup onto the appropriate location and push the locking arm downwards to stick securely.



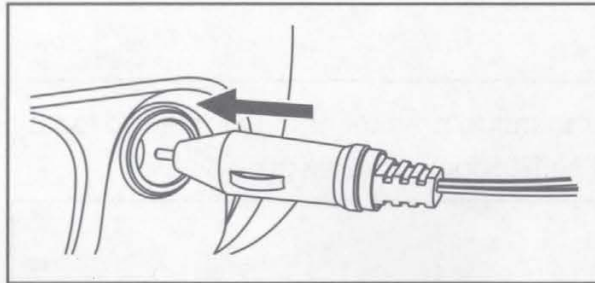
When using the table stand: Place the table stand designed with four non-slip pads on a stable surface, and route the monitor power cable as shown.



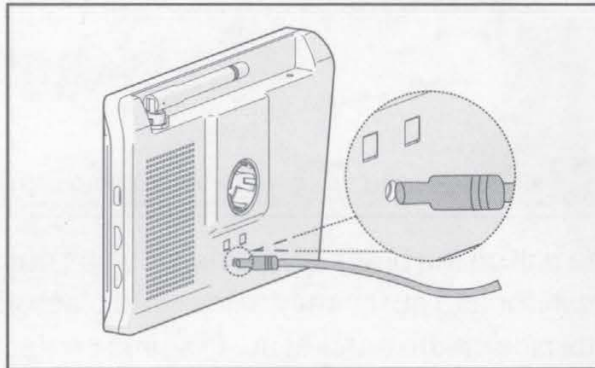
2. Align the ball on the bracket with the opening on the back of the monitor and push firmly to lock into place.



3. Connect the cigarette lighter connector of the monitor power cable to a cigarette lighter socket.



4. Connect the DC connector to the power socket on the monitor.



5. Rotate the monitor to adjust the visual angle as needed.

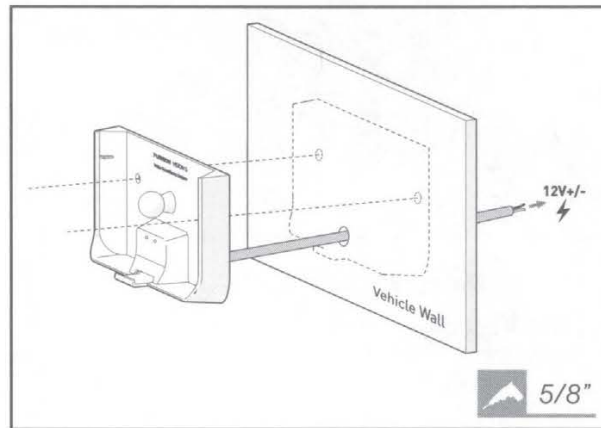
Case 2: Mount onto vehicle wall for security

IMPORTANT: Before any installation and wiring operation, remove the key from the ignition and isolate the 12V / 24V power source.

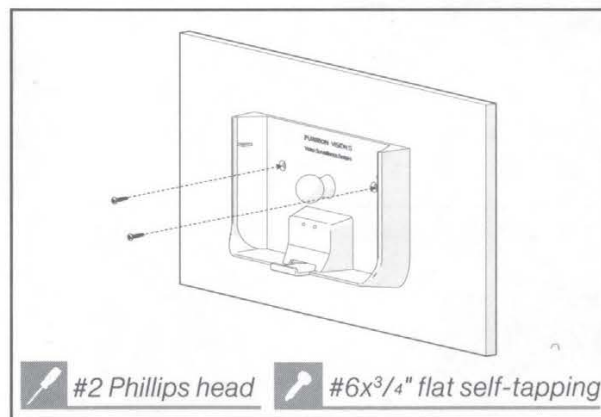
Always seek professional assistance if you are unsure about the installation and wiring operation.

1. Mark a basic outline on the chosen location of the vehicle wall with the mounting bracket, and drill a 5/8" wiring hole as shown.

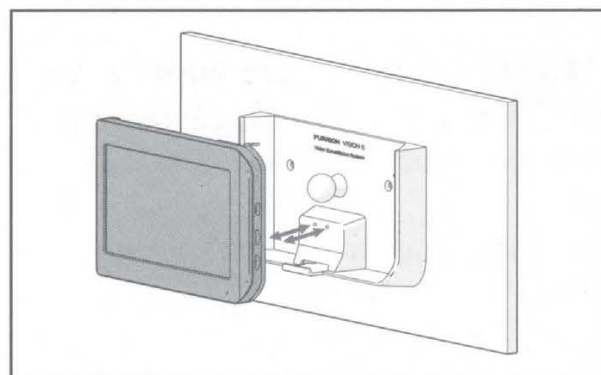
Route the bare ends of the power cable on the mounting bracket through the wiring hole, and connect them to the nearest 12V/24V power supply in your vehicle. Ensure proper cable isolation for all bare ends (e.g., by using insulation tape).



2. Fix the mounting bracket onto the marked location using two flat self-tapping screws provided.



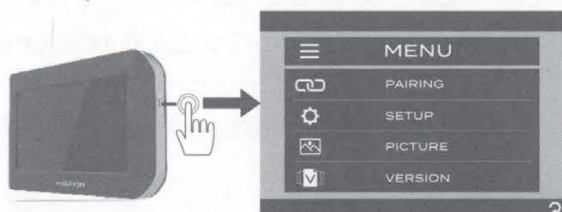
3. Align the ball on the bracket with the opening on the back of the monitor and push firmly to lock into place. Ensure the metal pins on the bracket are in sound contact with those on the back of the monitor.



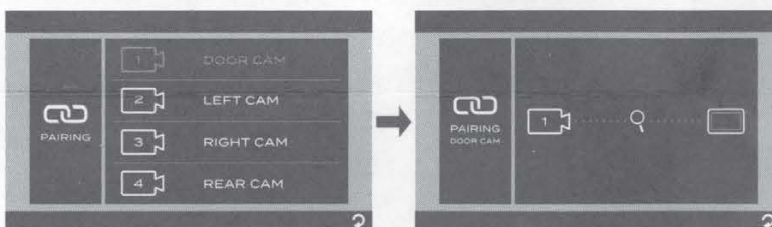
Pair with a camera

If this monitor comes in a bundle with one or more Furrion Vision S cameras, it is paired with the camera(s) by default. If you cannot find the video from the camera on the monitor screen or you have an unbundled camera, follow the procedures below for pairing.

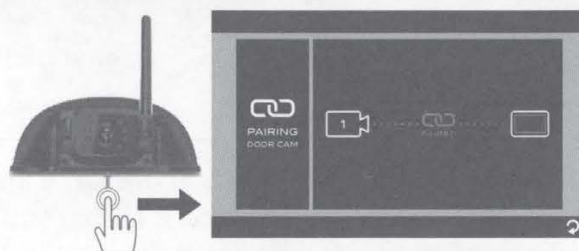
1. Ensure you have turned on the monitor and camera(s) to be paired (see the **Installation Guide** of each camera or the online user manual for details about camera installation and wiring).
2. Press the **MENU** button on the right of the monitor to enter the setup menu.



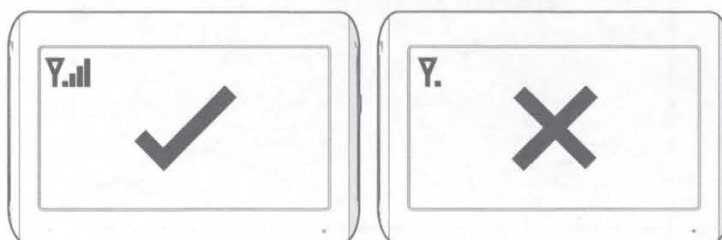
3. Tap **PAIRING** and then select the camera to be paired with the monitor.



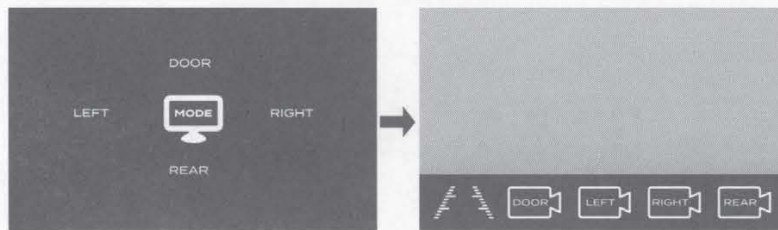
4. Press the **MONITOR PAIRING** button on the camera (sharkfin camera shown) to pair it with the monitor.



5. Repeat the steps to pair the other available cameras. Erect antennas (if available) on the camera(s) and ensure the signal strength is OK.



6. Tap to choose a view mode and then a camera for view as you like.



www.furrion.com/support



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FURRION

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IG-FCM00007

Vehicle Observation System

5" Furrion Vision S™ Single Camera System



5" Monitor



Interior Table Stand



Windshield Mount



Doorway Security / Rear Camera

Main Features

Monitor & Accessories



DIGITAL
WIRELESS



TOUCH
SCREEN



ANTI-
GLARE



REAR ASSIST
MARKER LINES



SECURITY CAMERA
AUTO-WAKE



DISPLAY UP
TO 4 CAMERAS



AUDIO



WINDSHIELD
MOUNT



INTERIOR
TABLE STAND



WALL MOUNT
(SOLD SEPARATELY)

Doorway Security / Rear Camera



CMOS 120°
VIEW ANGLE



INFRARED
NIGHT VISION



CAMERA
RESOLUTION



INTELLIGENT
IR CUT FILTER



MOTION
DETECT



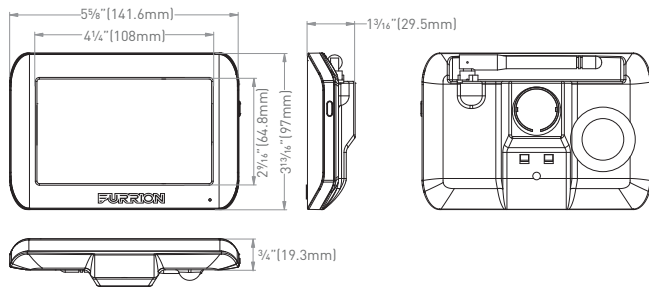
WATERPROOF



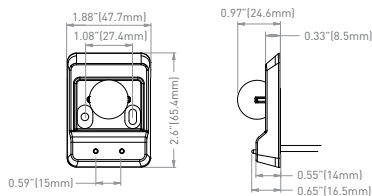
BUILT IN
MICROPHONE

FURRION

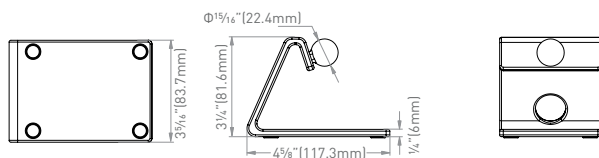
Monitor



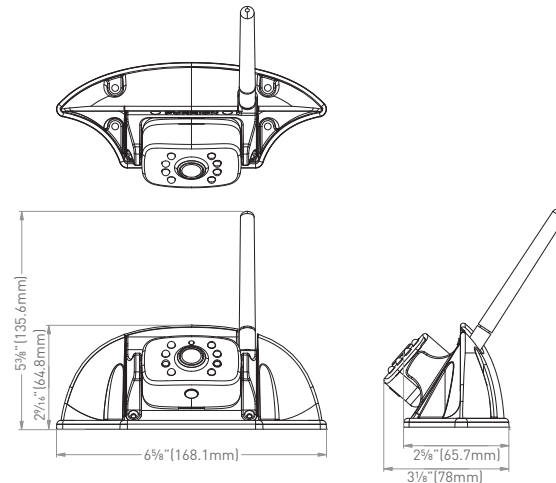
Interior Wall Mount (Sold Separately)



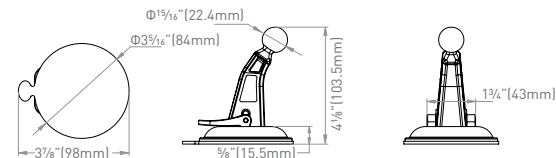
Interior Table Stand



Doorway Security / Rear Camera



Windshield Mount



Part Number	Product
FOS05TASF	 +  +  + 

Specifications

Camera

Night Vision Distance	<16ft (5m)
CMOS Size	1/3"
Optical Lens	F2.0
IR Cut Filter	850nm Automatic
View Angle/Degree	120°
Working Current (IR ON)	<400mA@12V
Working Current (IR OFF)	<250mA@12V
Camera Pixel	720 x 480
Waterproof	IP65

Monitor

LCD Backlight ON	<500mA@12V
LCD Backlight OFF	<300mA@12V
LCD Size	5"
LCD Resolution at 1View	720 x 480
LCD Brightness	420 cd/m2
LCD Contrast	600:1
LCD Viewing Angle	L/R65, U50, D60
LCD Aspect Ratio	16:9
Channel Bandwidth	20MHz

Camera/Monitor

Supply Voltage	DC8 to 30V
Wireless Frequency	2.4GHz
Wireless Range	<492.13ft (150m) (open area)
Emitting Power	18+/-2 dBm
Transmitting Speed	6 Mbps (single)
RF Modulation	OFDM
Receiving Sensitivity	-88 +/-3dBm
Decompression Form	H.264
Delaying Time	<250ms
Type Approval	FCC Part 15

Dimensions/Weight

Individual Packaging Dimensions (W x H x D)	9.1 x 9.17 x 3.86" (230 x 233 x 98mm)
Net weight (lbs/kgs)	0.9/0.4
Gross weight (lbs/kgs)	1.3/0.6

Master Carton

Quantity per Master Carton	10
Master Carton Dimensions (W x H x D)	18.7 x 20.08 x 9.96" (475 x 510 x 253mm)
Master Carton Gross Weight (lbs/kg)	13.2/6

FOS05TASF-V1.5



FURRION

WARRANTY CARD / CERTIFICAT DE GARANTIE

TARJETA DE GARANTÍA / GARANTIEKARTE

CARTÃO DE GARANTIA / CERTIFICATO DI GARANZIA

FOS05TASF



1911900182-112019-03915

WARRANTY CARD

Congratulations on purchasing your new Furrion product. All Furrion products are made to strict quality standards. If used properly for its intended purpose, your product should provide many years of use.

We are pleased to provide you with a 1 year warranty on your Furrion product. The details of this warranty are set out in the terms and conditions [see reverse] which supplement the authorised dealer's Terms and Conditions of Sale.

This warranty is given in addition to your other rights under the laws of the country where you purchased this product.

Please visit www.furrion.com/productregistration to register your product.

LIMITED WARRANTY TERMS AND CONDITIONS

1. Furrion warrants that this product will be free from defects in workmanship and materials for a period of 1 year from date of retail purchase by the original end-use purchaser ("you") when delivered to you in new condition, in original packaging, from a Furrion authorised reseller and used in normal conditions. If a valid claim is made under warranty then you will only be entitled to claim in accordance with paragraph 6 below.
2. The warranty only applies to Furrion products: with a valid serial number; used for consumer, private use and not for commercial or industrial use; and where you have validated the warranty in accordance with paragraph 4 below.
3. The warranty does not cover damage or loss: caused by poor, faulty or incorrect use, installation or maintenance; caused by accident (including force majeure or natural forces), misuse, negligence, abrasion, improper storage following delivery, rot and/or infestation following delivery, leaks (or similar incidents); occurring during shipment (even when Furrion arranged or paid for shipping); caused by failure to follow instructions in the owner's guide, damaged; caused by normal wear and tear; caused by maintenance, repairs or modifications other than those carried out by an authorised dealer; caused to the decorative surface of the product; caused to any data, software or information. This warranty also excludes claims based on any misrepresentations by the seller; or if this product's serial number has been altered, defaced, removed or rendered unidentifiable.
4. To validate the warranty you must:
 - (a) fill in the registration card provided with this product; and
 - (b) register the warranty covering this product within 6 months of the date of the bill of sale by following the instructions on the registration card; and
 - (c) have the original bill of sale to validate warranty of this product.
5. If you require warranty service on this product, please cease using the product when a fault arises and contact us directly. You will have to present your original bill of sale to establish warranty coverage. Furrion's customer service can be reached at:
 - (i) For USA customers:
Email: support@furrion.com
Address: Furrion LLC, 52567 Independence Court Elkhart, IN 46514 USA
 - (ii) For Australia customers:
Email: warranty.au@furrion.com
Address: Furrion Ltd, Unit 614-615, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong
Toll-free Number: 1-(800)-985-957

6. Following the filing of a claim, Furrion will investigate the claim. If we believe there is a defect covered by the warranty, we will at our option either repair or replace the defective product (or part).
7. Please note in the event that no defect can be found, it is your responsibility to pay for the re-delivery of the replacement items. If a defect is found, Furrion will pay for the re-delivery of the replacement items.
8. Installation of any repaired or replaced product will not be Furrion's responsibility.
9. If you do not allow the authorized dealer to inspect the product which is the subject of the warranty claim, you will invalidate the warranty in respect of that claim.
10. Any repaired or replaced Furrion product parts shall be guaranteed on the terms of this warranty for the unexpired portion of the warranty period only.
11. This warranty is non-transferrable and is personal to the original end-use purchaser as shown on the original dated bill of sale. Any attempt to transfer this warranty shall immediately render it void.
12. This warranty is subject to the jurisdiction of the courts of the State where you purchased this product, and any dispute or claim arising out of, or in connection with it or its subject matter, shall be governed by, and construed in accordance with the laws of that State.
13. In the event of any difference between this warranty and the provisions in any owner's manuals, warranty leaflets, or packaging cartons, the terms of this warranty shall prevail to the fullest extent allowed by law.

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