

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

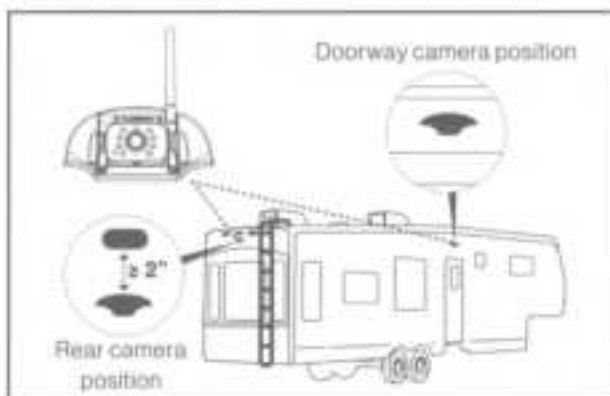
Note: Skip this section if your RV is pre-installed with a bracket for camera installation.

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

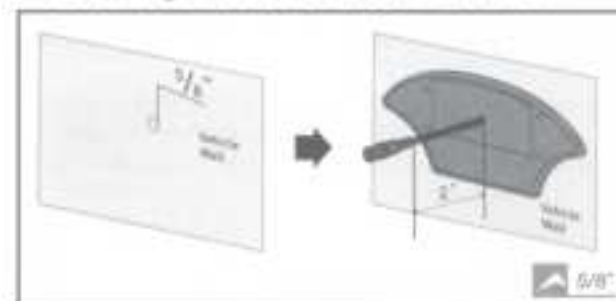
Always seek professional assistance if you are unsure about the installation and wiring operation.

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 5 products onto various types of long vehicles such as trailers and Class A/B/C motorhomes.



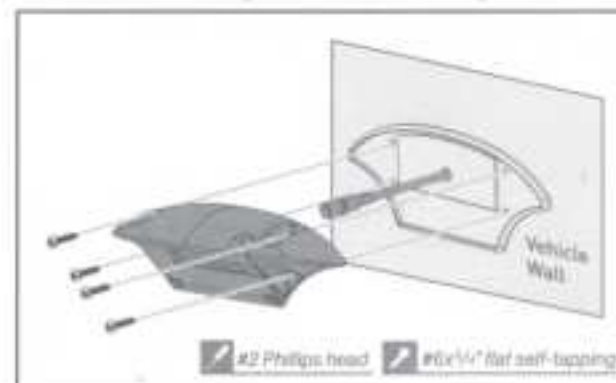
2. Use the gasket as a template to mark a basic outline on the chosen location with a pencil. Drill a 5/8" center hole. Then route the female connector of the camera power cable through the hole and leave 2 inches of slack.



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

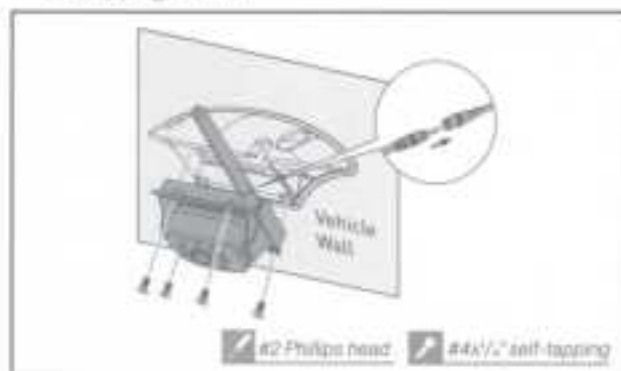
If this camera comes in a bundle with a Furriion Vision S monitor, it is paired with the monitor by default. You can connect it to the female connector on the Y type power cable of the monitor and resume power temporarily to check the pairing status before installation.

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.

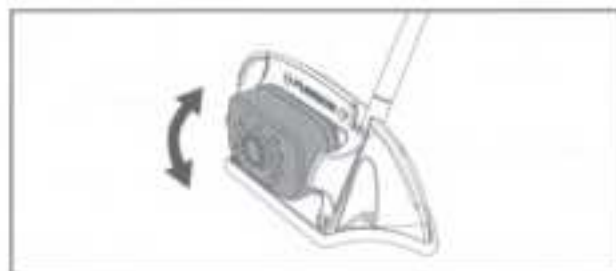
1. Mount the antenna onto the camera securely and keep the antenna straight.



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.



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FURRIION

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Sharkfin Camera Caméra en forme d'aile Cámara con protección tipo aleta de tiburón

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: FCN48TASF

Welcome

Thank you for purchasing the Furrion® Sharkfin Camera. Before operating your new product, please read these instructions carefully. This will ensure safe use and reduce the risk of injury. This instruction manual contains information for installation, maintenance of the product and safe use.

Please keep this instruction manual in a safe place for future reference. Be sure to pass on this manual to any new owners of this product.

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

If you have any 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

Important Safety Instructions

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 Furriion Wireless Observation Camera System. Do not disassemble or attempt any repairs.
- There are no fuses or disconnects in the Furriion 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.

Care

- Do not wash the vehicle with an automatic car wash or high pressure water. This may damage the camera.
- 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

Important Safety Instructions

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.

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.

Important Safety Instructions

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

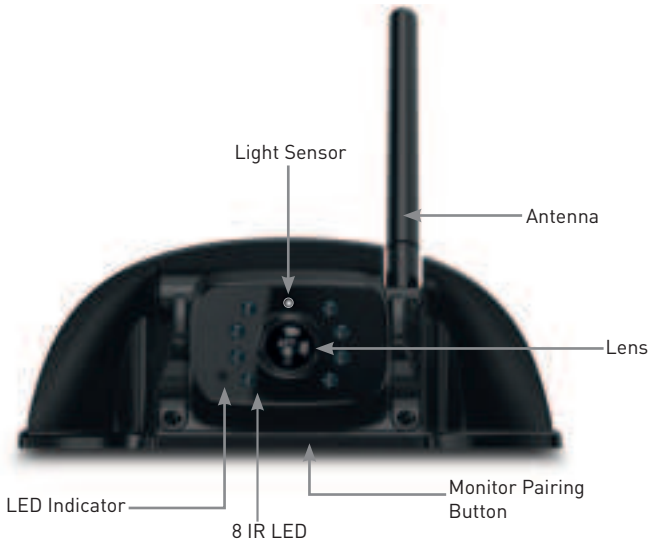
The Furrion Vision S Camera System is designed to assist the driver by providing a clear and wide image of the area behind the vehicle whenever the vehicle is shifted into reverse. Never rely solely on this product to ensure the area is clear of children and/or obstructions. Use your monitor and look 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.

Product Overview

Panel

English




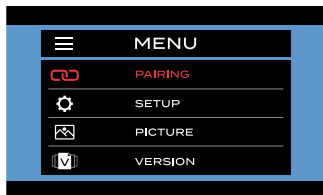
Getting Started

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

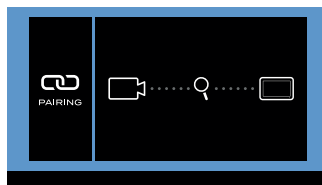
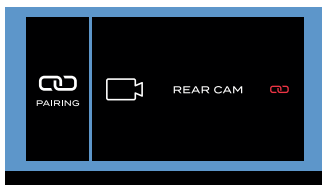
NOTE: Ensure both the camera and monitor have power supplied during Pairing and setting processes. (*The vehicle may need to be running.*)


Pairing the 4.3" Vision S Camera System

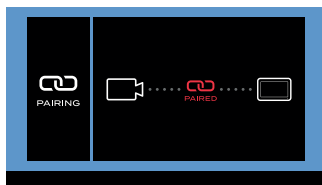
1. Use ▲ or ▼ button to highlight **PAIRING** menu, then press  to enter the next page.



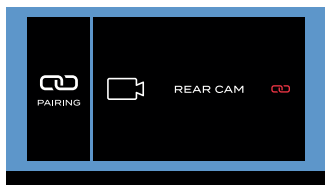
2. Press the **"MONITOR PAIRING"** button at the bottom of selected camera to pair.



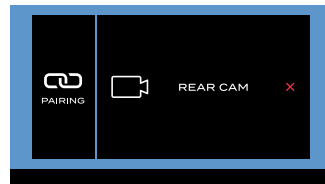
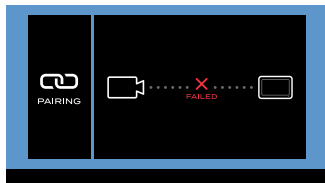
3. Once paired successfully, a red  icon will appear after the device list.



Getting Started



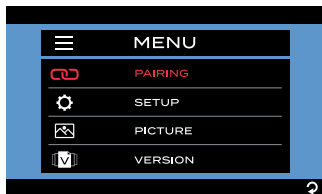
4. An **X** icon indicates pairing failed, repeat steps 2 and 3 to pair again.



5. Repeat steps 1 to 4 to pair the other cameras.
6. Refer to "**Camera Settings**" section for detail settings of the camera.

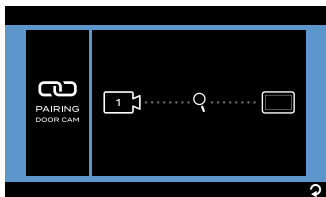
Pairing the 5" and 7" Vision S Camera System

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

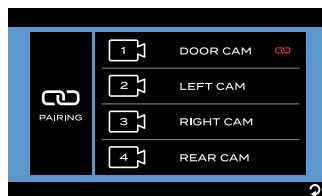
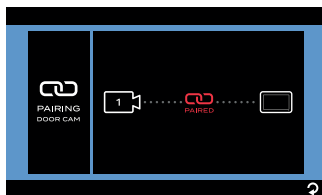


Getting Started

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.

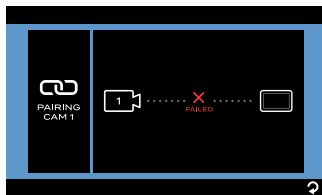


3. Once paired successfully, a red icon will appear after the device list.

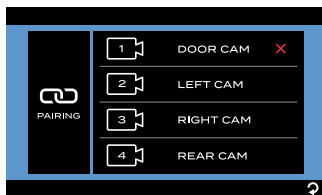


Getting Started

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



5. Repeat steps 1 to 4 to pair the other cameras.
6. 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.

- Camera
- Antenna x 1
- 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.

Suitable Installation Position

CAUTION

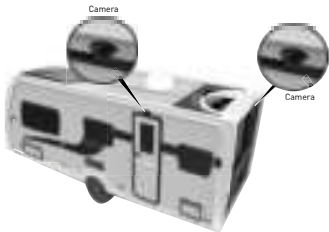
Ensure there are no electrical cables, gas lines, pipes or other important parts behind where the drill holes will be.

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.

- 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 install, as high as possible at the rear of the vehicle.
- Horizontal-center of the vehicle or as close as is optimal.

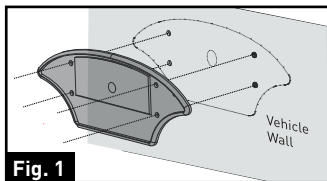
Installation

- 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.

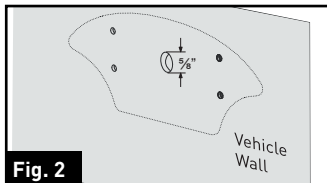


Camera Installation

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. 1)

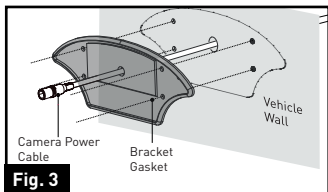


2. Drill a $\frac{5}{8}$ " center hole on the vehicle wall using a $\frac{5}{8}$ " hole saw. (Fig. 2)

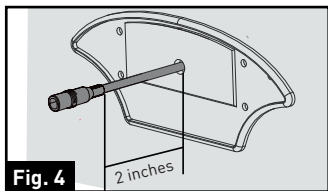


Installation

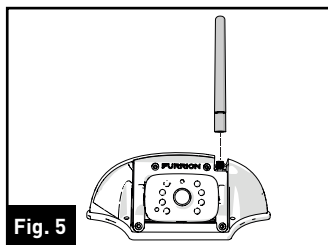
3. Feed the supplied 6-foot camera power cable through the gasket. Ensure the bare end of the cable goes into the vehicle and the flat side faces inward. (Fig. 3)



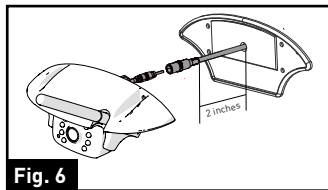
4. Pull out the camera power cable, leaving approx 2 inches of slack. (Fig. 4)



5. Install the antenna onto the camera and rotate clockwise to lock into place. (Fig. 5)



6. Connect the camera power cable to the camera cable. (Fig. 6)



Installation

7. Place the attached cables and connections into the bracket housing by first placing the cable to the right. Place the camera cable filter in the left of the bracket housing. (Fig. 7)

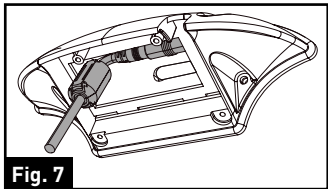


Fig. 7

8. 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 damaged while attaching the device to the vehicle. (Fig. 8)

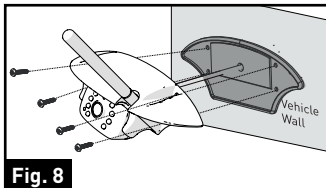


Fig. 8

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

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.

Installation

The Furrion Vision S Camera 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.

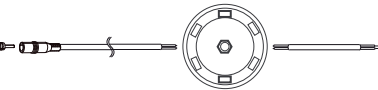
Wiring to reverse lights: the camera will activate when the vehicle engages reverse gear.

Connects to
Camera



Connects to
12V/ 24V
Power Supply

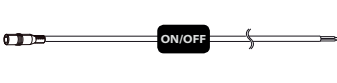
Consult the vehicle's service manual for specific wiring color code.



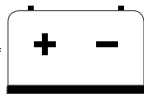
Running,
Reverse or
Auxiliary
Lights

7 WAY CONNECTION

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.



IN-LINE SWITCH



DC POWER SUPPLY

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
IMAGE DISTANCE	<5m
CMOS SIZE	1/3"
OPTICAL LENS	F2.0
IR CUT FILTER	850nm automatic
VIEW ANGLE	120°
CURRENT (IR ON)	<500mA @12V
CURRENT (IR OFF)	<350mA @12V
CAMERA PIXEL	720 x 480

Troubleshooting

Problem	Solution
Camera and Monitor won't pair	Check if the camera is receiving power.
	Make sure to hold the camera pairing button for 2 seconds.
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.

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, NEGLECT, 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

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- Email: support@furrion.com

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FURRION VISION S™

Side Cameras & Rear Camera with Marker Light



Installation Guide

Models: FCE48TASL
FCN48TASK
FCE48TASH (LED)

This Installation Guide will help you install and adjust the camera properly.

Please visit: <https://furriion.com/collections/cameras/products/vision-s-7-four-camera-observation-system> and find out more on the How to Video section.



How to Video

For further support and to download the complete user manual please visit: <https://furriion.com/pages/download-navigation>



Full Manual Download

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 #1 and #2 Phillips head screwdrivers, sealant, insulation tape, pencil and/or a 5/8" hole saw (needed only when drilling a new hole).

Mount Marker Light

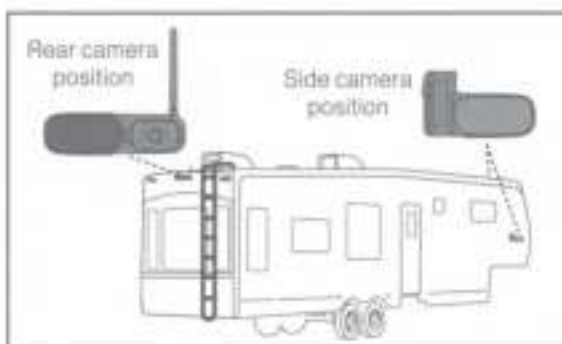
Note: Skip this section if your RV is pre-installed with a bracket for camera installation.

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

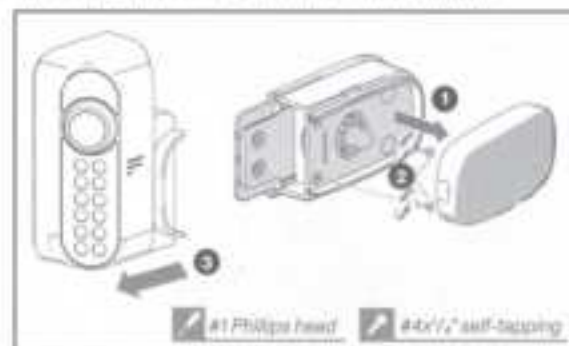
Always seek professional assistance if you are unsure about the installation and wiring operation.

1. Determine the mounting location on your RV. Ensure that there is no obstacle blocking the camera view. To avoid drilling new holes, you are recommended to replace the original marker lights with Furriion products directly as shown below:
 - **For rear camera position:** Location of the original rear marker light at the top center on the rear of your RV. To accommodate the camera, ensure that there is at least 7.5" space between the central points of the two adjacent marker lights.
 - **For side camera position:** Location of the original side marker lights (as front as possible & the height from ground to the middle of the trailer).

Note: The fifth-wheel shown below is for reference only. You can mount Furriion Vision S products onto various types of long vehicles such as travel trailer or Class A/B/C motorhomes.

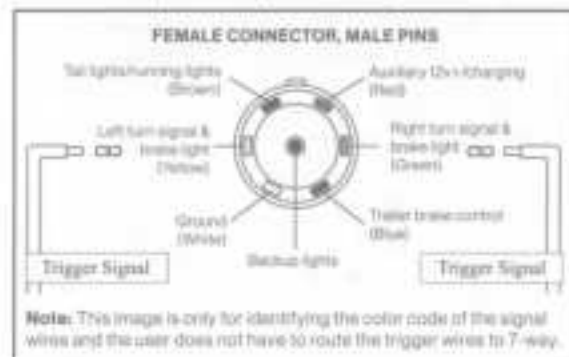


2. Remove the lens cover and detach the camera from the marker light bracket (right side camera shown).



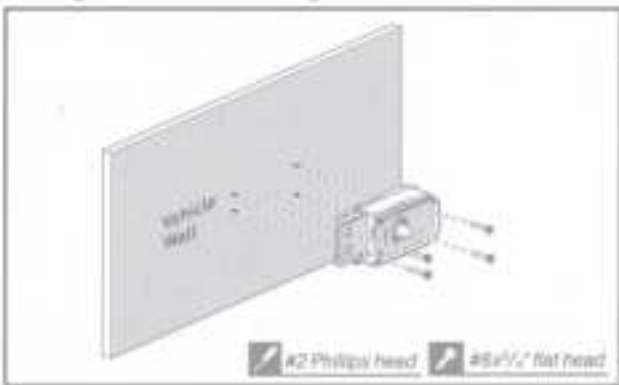
3. Remove the original marker light from the corresponding location.
4. Connect the bare ends of the power cable on the back of the bracket to the nearest 12V / 24V power supply:
 - Red (**V+ Camera**): to the positive wire of the running light circuit;
 - Black (**GND**): to ground;
 - Yellow (**Trigger**): to left/right turn signal (only available for LED versions);
 - Brown (**V+ Lamp**): to positive wire of the running light circuit;

Example of a typical 7-way connection



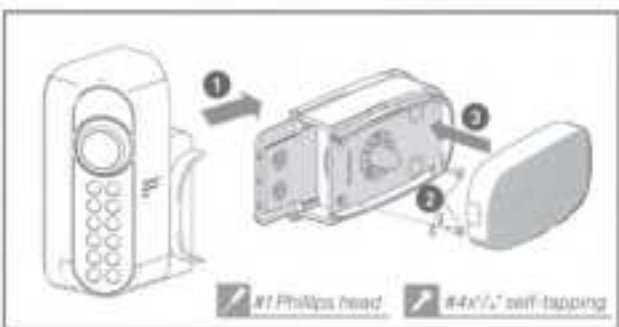
Note: Ensure that the fuse on the connected power line provides additional 1A fusing current for the camera. Ensure proper cable isolation for all bare ends (e.g., by using insulation tape).

- Secure the gasket and marker light bracket onto your vehicle using four flat head #6 x 3/4" self-drilling screws. If the mounting surface is uneven, apply sealant around the gasket for better sealing.

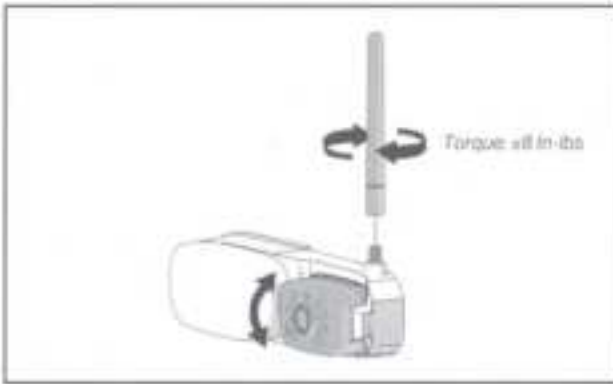


Mount Cameras (right side shown)

- Reattach the camera to the marker light bracket. Before fixing the camera, check its pairing status with the monitor by resuming power temporarily. For incandescent lights, make sure the removable light bulb is properly installed before replacing the lens cover. Ensure that the lens on the camera face backwards after installation, with the **MONITOR PAIRING** button at the bottom.
- If you cannot find the video from 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 pairing procedures.



- For the rear camera**, mount the antenna onto the camera securely and keep the antenna straight, adjust the view angle of the camera by rotating it upwards and downwards (0-50°) so that you can see the bottom edge of your vehicle and the road conditions behind.



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



www.furrion.com/support



1-800-789-3341



support@furrion.com

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Patents pending (FCE48TASL)

5" & 7" Monitor



Quick Start Guide

Models: FOS07TD8K / FOS05TD8K

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

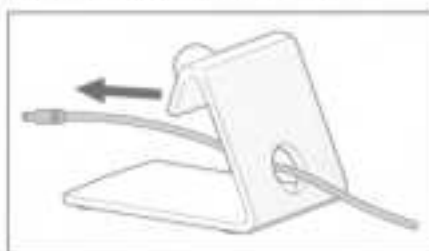
IMPORTANT: Choose a monitor location in your vehicle that does not block your view and complies with local laws for safe driving. Do not place in an area where it might interfere with driving.

1. Choose a mounting method.

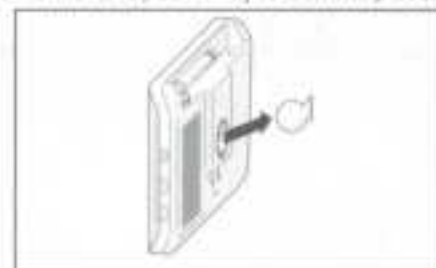
When using the windshield stand: Clean the mounting area and remove the protective film from the suction cup. Then place the suction cup onto the appropriate location and push the locking arm downwards to stick securely.



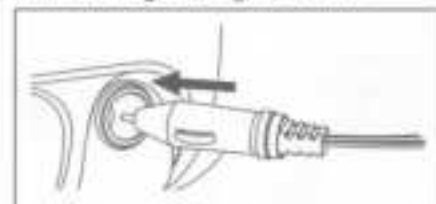
When using the table stand: Place the table stand designed with four non-slip pads on a stable surface, and route the monitor power cable as shown.



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.

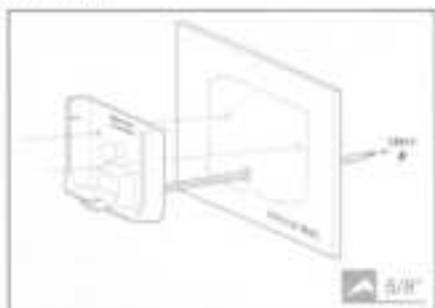
Case 2: Mount onto vehicle wall for security

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

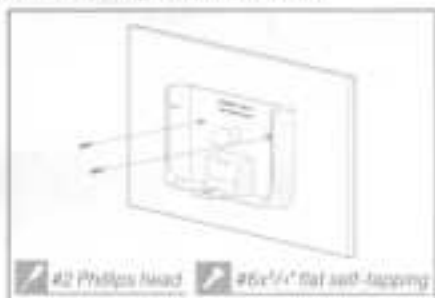
Always seek professional assistance if you are unsure about the installation and wiring operation.

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.

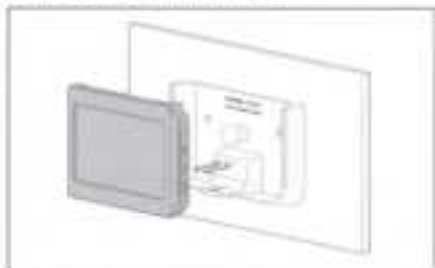
Route the bare ends of the power cable on the mounting bracket through the wiring hole, and connect them to the nearest 12V/24V power supply in your vehicle. Ensure proper cable isolation for all bare ends (e.g., by using insulation tape).



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



- 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 Furion 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.

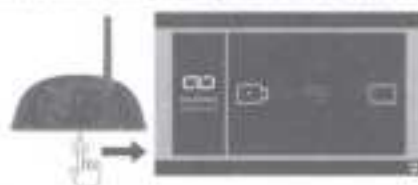
- Ensure you have turned on the monitor and camera(s) to be paired (see the **Installation Guide** of each camera or the online user manual for details about camera installation and wiring).
- Press the **MENU** button on the right of the monitor to enter the setup menu.



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



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



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



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



www.furion.com/support



1-888-354-5792



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FURRION VISION S

Traffic light Installation Guide

Guide d'installation
du signalisation

Guía de instalación
del Semáforo

Models/Modèle/Modelo:

FCN04TDL-RD

FCH04TDL-SY

FCL04TDL-SY

What's in the box

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

- Traffic light x 1 (different by model)
- Instruction Manual x 1

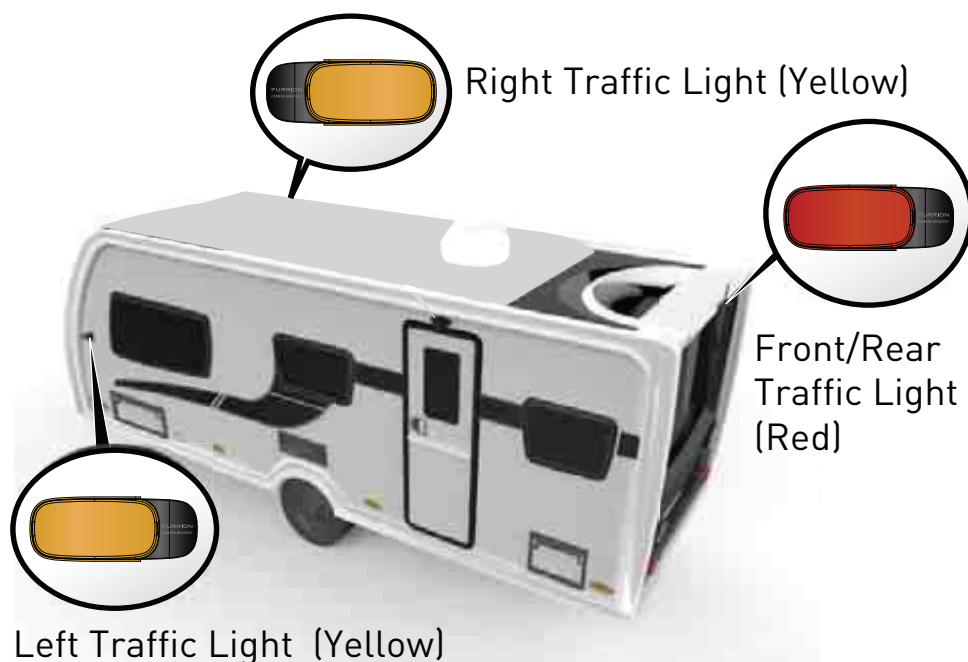
Traffic light Installation

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

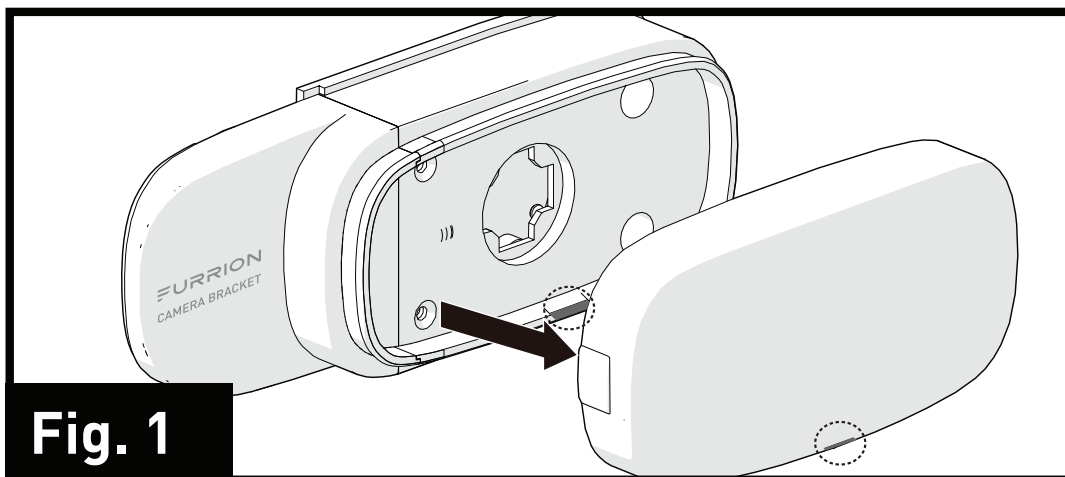
- For optimum performance, the camera should be mounted where there is minimal obstruction between the camera and monitor. Dense side-wall material and electrical appliances can reduce signal strength.
- Where practical, as high as possible at the rear of the vehicle.
- Horizontal-center of the vehicle 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.

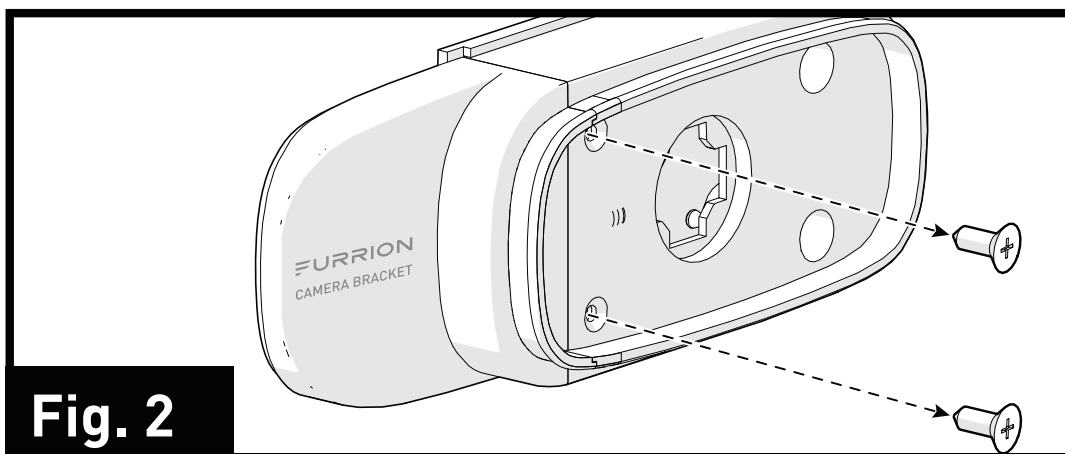


Traffic Light Location

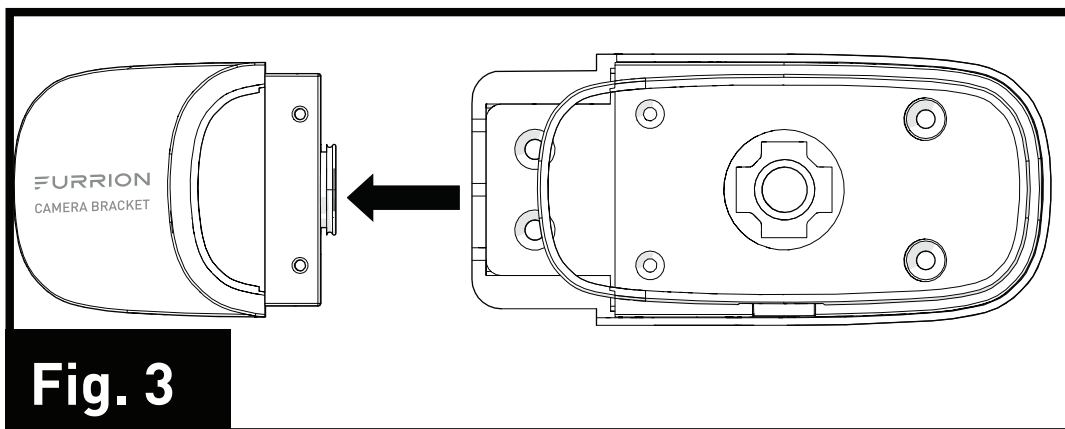
1. Select a suitable position on the side of the vehicle wall where you would like to install the camera.
2. Remove the lens cover by lifting the slot at the bottom of the traffic light. (Fig. 1)



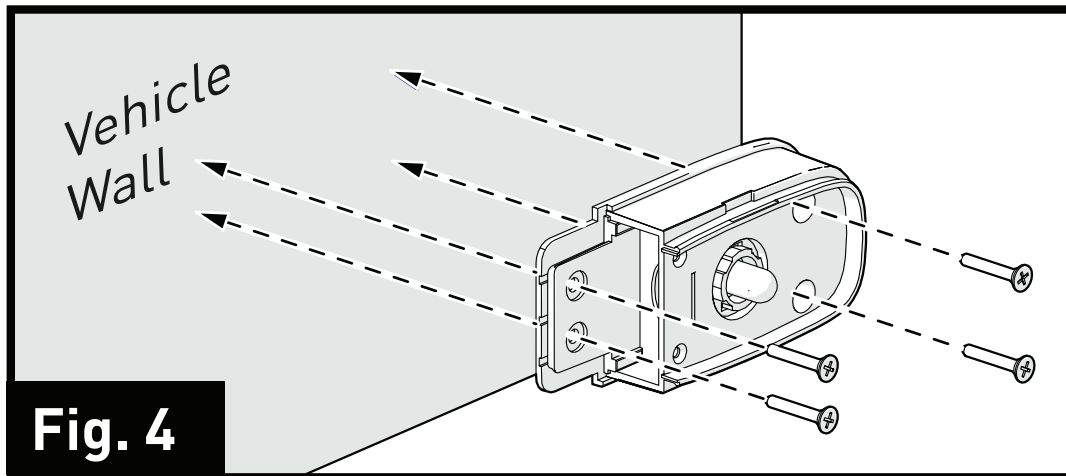
3. Remove the two screws holding the decorative part using a Phillips-head screwdriver and set aside. (Fig. 2)



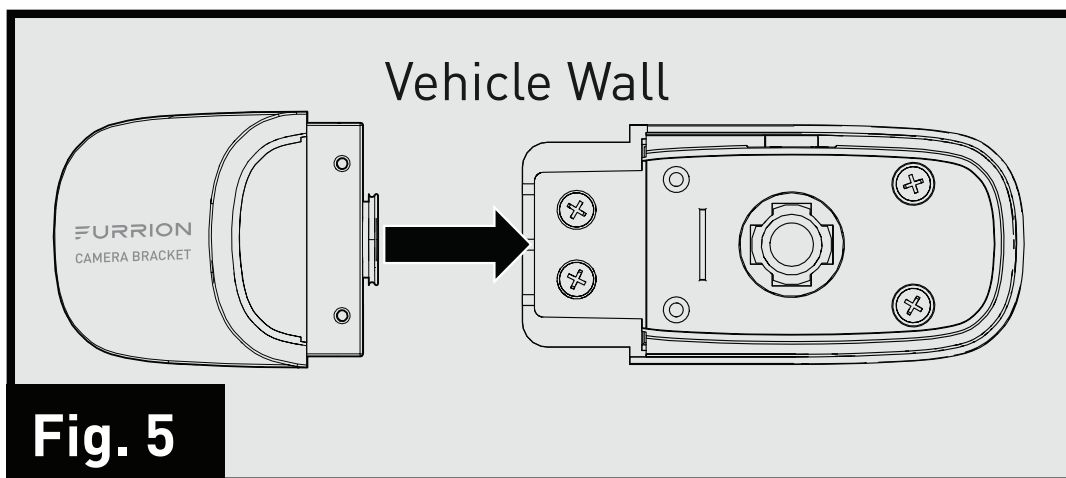
4. Pull to remove the decorative part from traffic light and save in a safe place in case of future use. (Fig. 3)



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



6. Insert the decorative part into the traffic light base and secure with the two flat self-tapping screws provided. (Fig. 5 and Fig. 6)



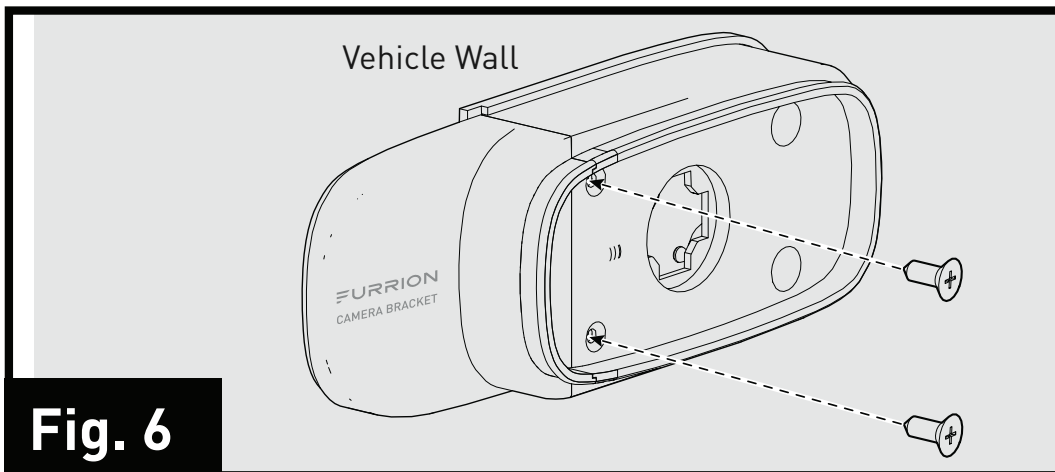


Fig. 6

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. 7)

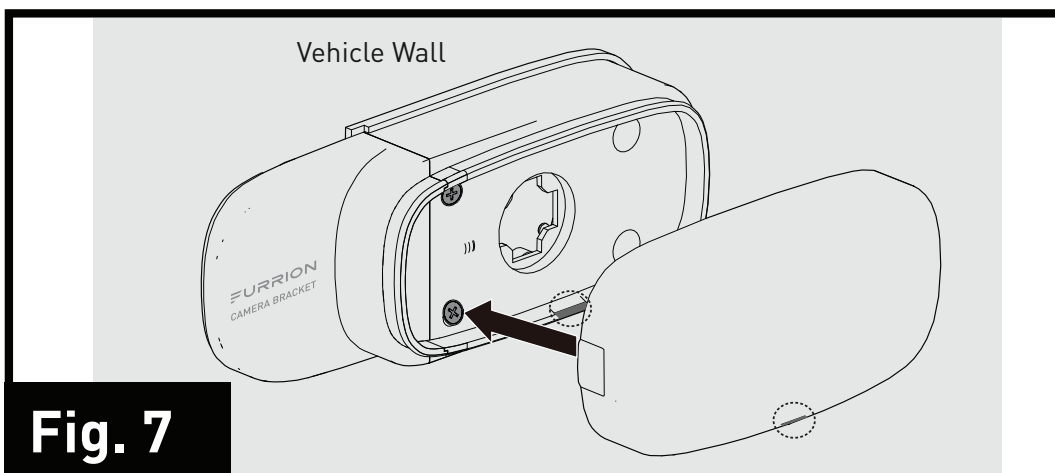


Fig. 7

Installing to Camera (if purchased)

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 lifting the slot at the bottom of the traffic light. (Fig. 8)

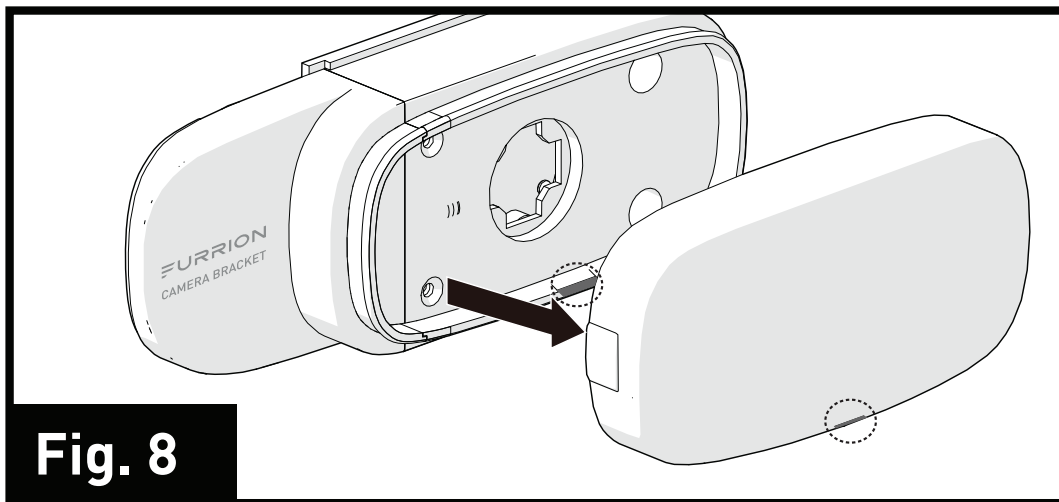


Fig. 8

3. Remove the two screws holding the decorative part using a Phillips-head screwdriver and set aside. (Fig. 9)

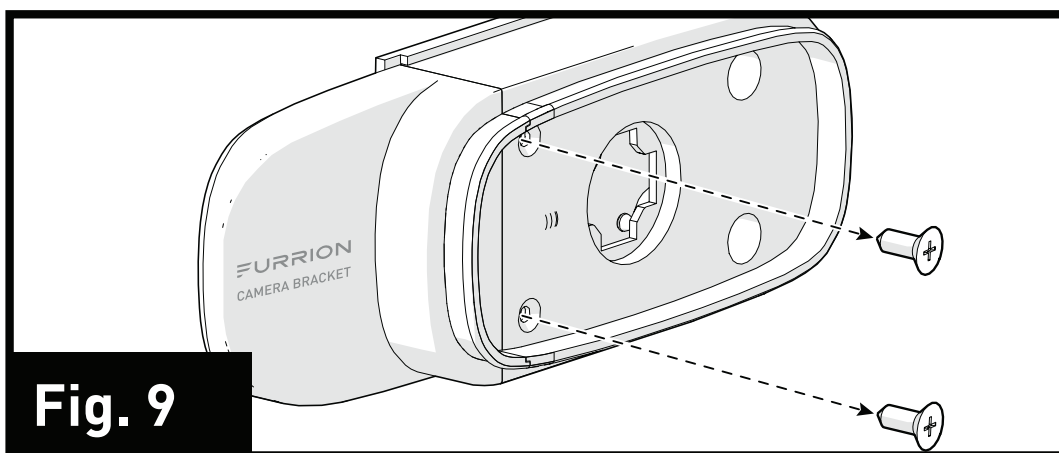


Fig. 9

4. Pull to remove the decorative part from traffic light and save in a safe place in case of future use. (Fig. 10)

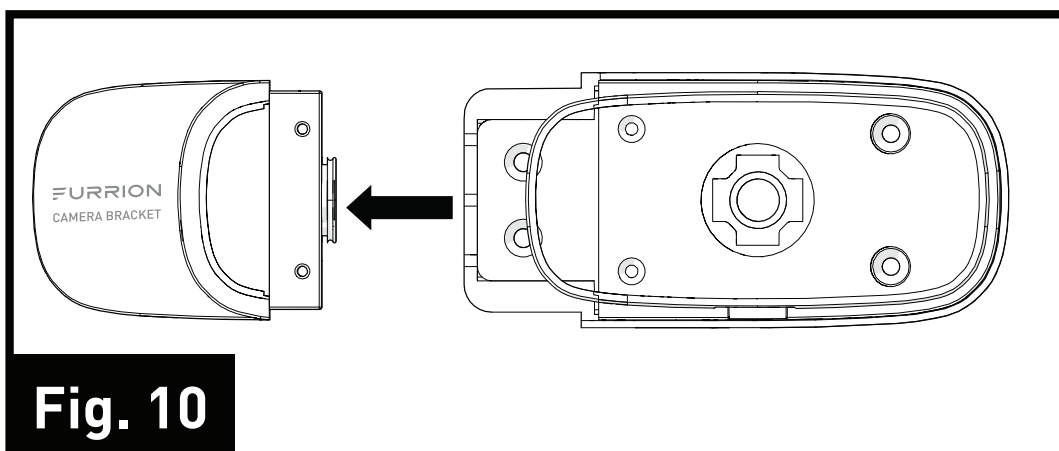
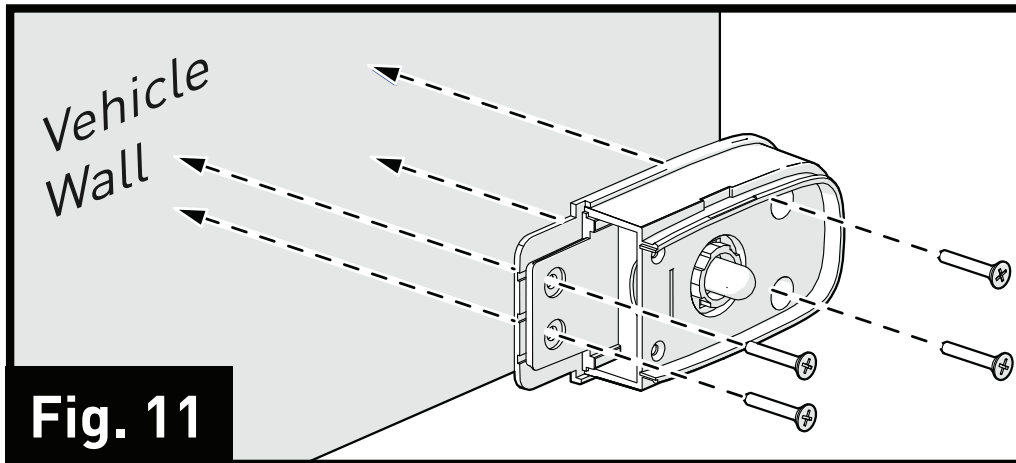
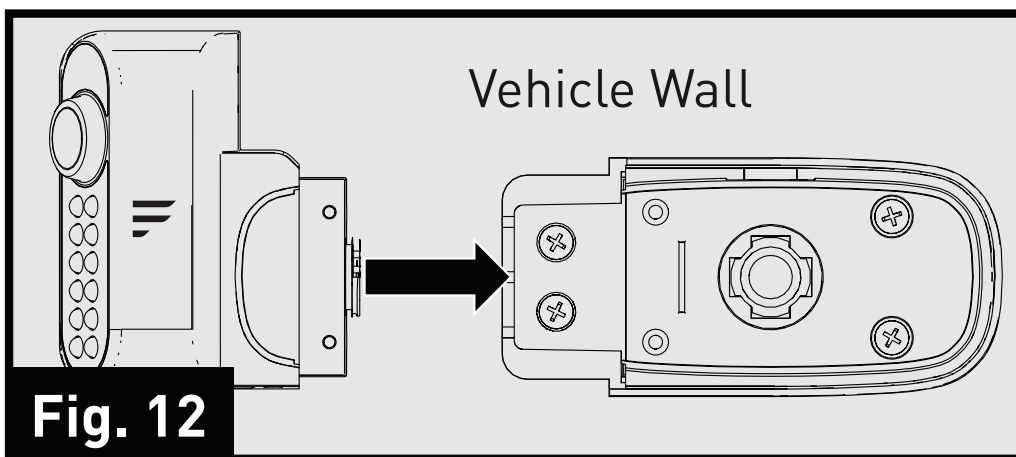


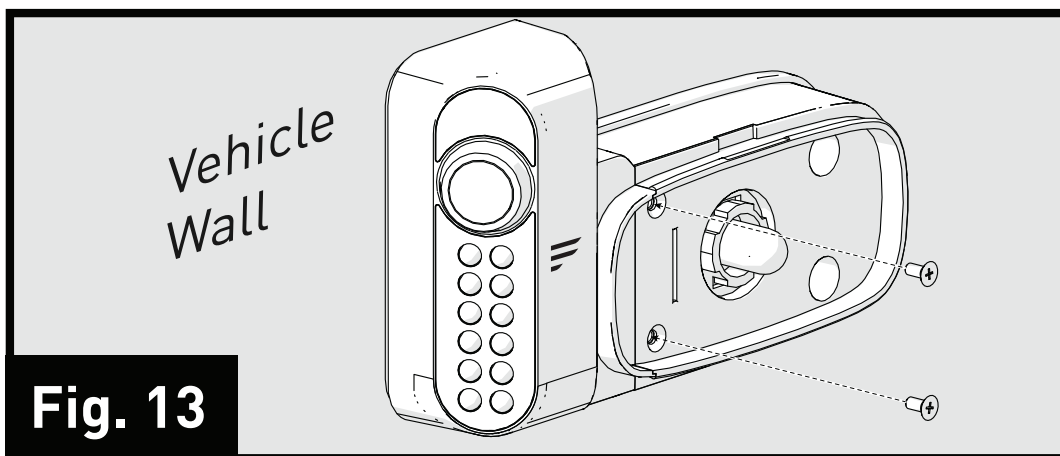
Fig. 10

5. Secure the traffic light base on the vehicle wall using the four flat selftapping screws (quad drive flat head #6 x 3/4" self-drilling wood screw). (Fig. 11)

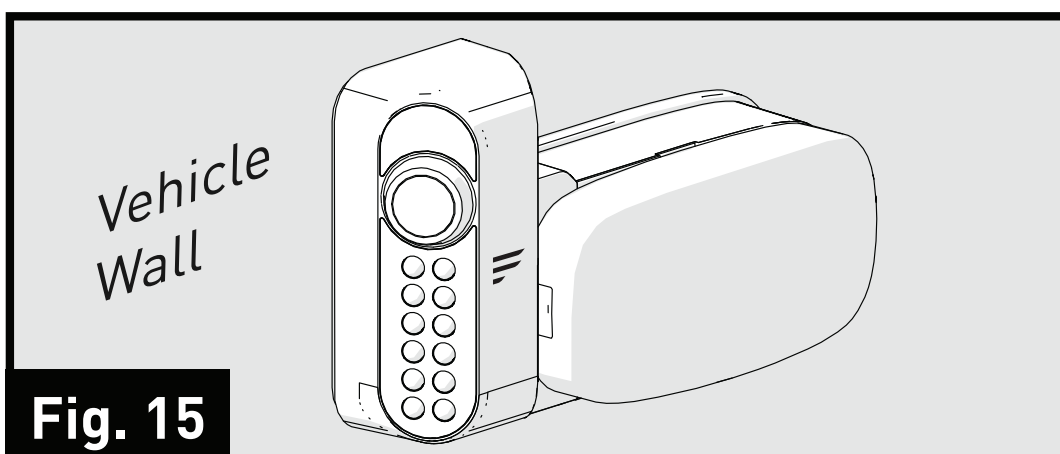
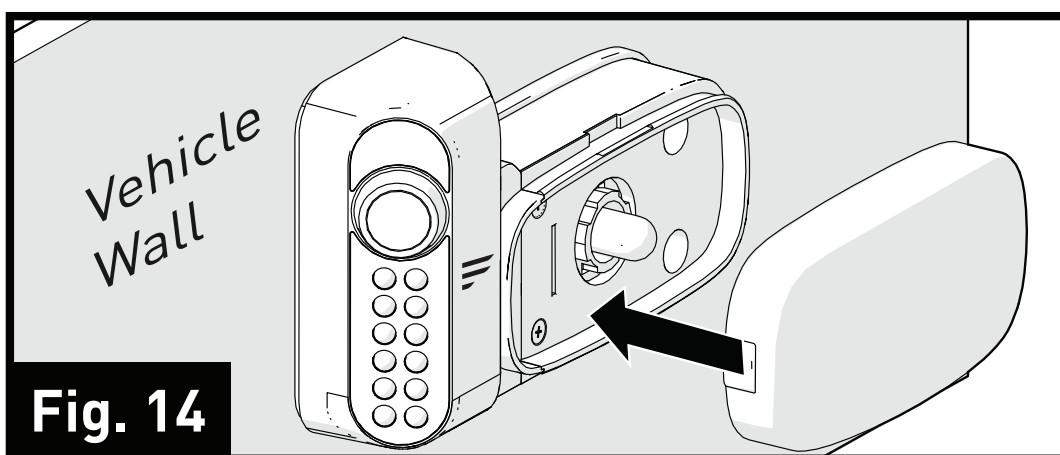


6. Insert the left camera into the traffic light base and secure with the two flat self-tapping screws provided. (Fig. 12 and Fig. 13)





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. 14 and Fig. 15)



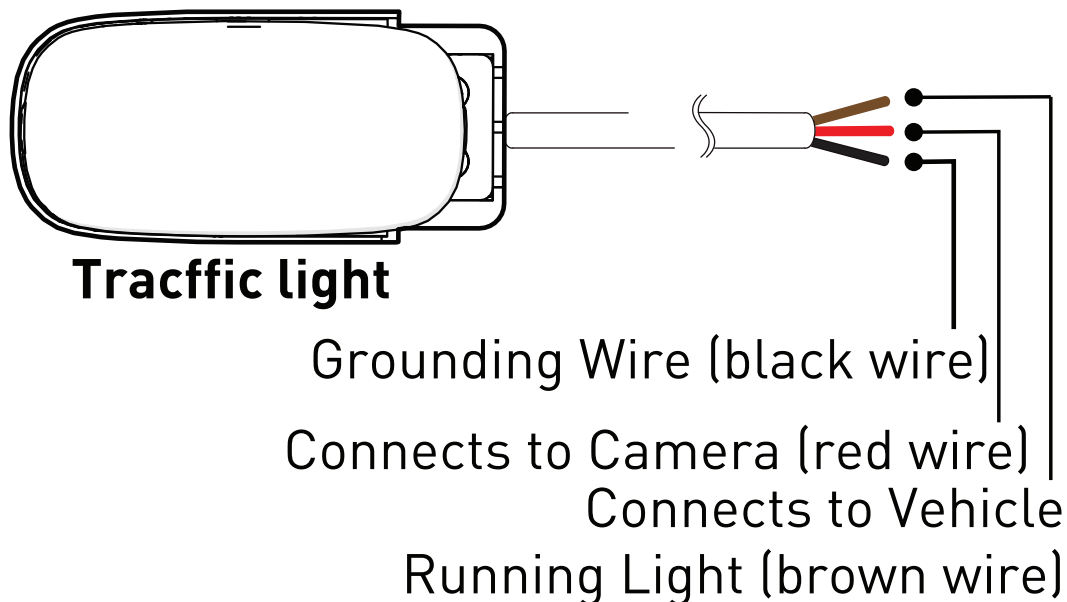
8. As required, repeat steps 1 - 7 to install the traffic lights to the right, front and rear cameras respectively.

Connecting the Traffic Light

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

! WARNING

Never connect the traffic light to a power source over 12V, damage to the traffic light may occur.





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- Toll free: 1-888-354-5792
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Vehicle Observation System

Furrion Vision S™ Doorway Security/ Rear Camera



Main Features



CMOS 120°
VIEW ANGLE



INFRARED
NIGHT VISION



CAMERA
RESOLUTION



INTELLIGENT
IR CUT FILTER



MOTION
DETECT

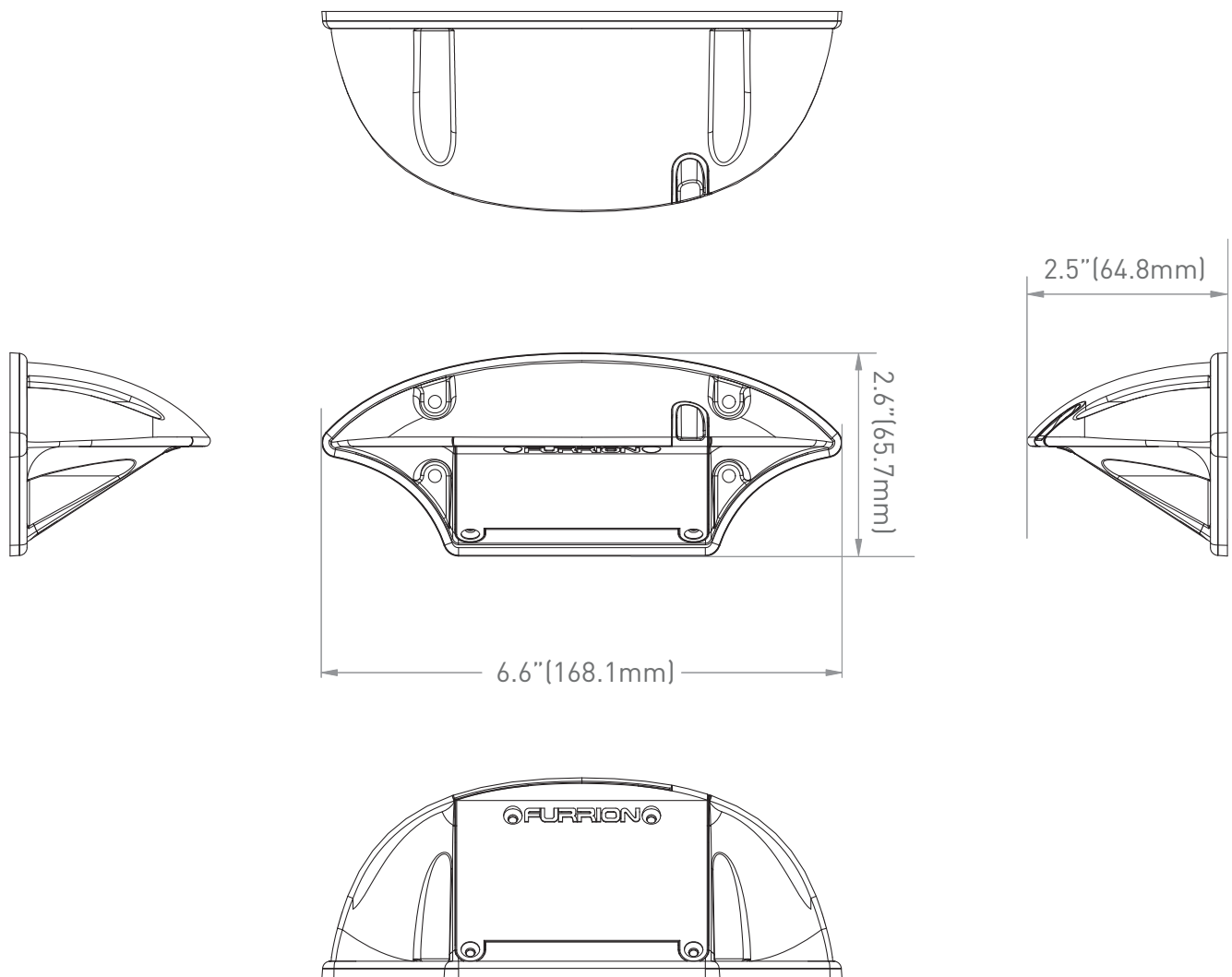


WATERPROOF



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Specifications

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



FURRION

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TARJETA DE GARANTÍA / GARANTIEKARTE

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FCN48TASF



1911900064-092019-03485

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

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

LIMITED WARRANTY TERMS AND CONDITIONS

1. Furrrion 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-user purchaser ("you") when delivered to you in new condition, in original packaging, from a Furrrion 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 Furrrion 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.
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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. Furrrion's customer service can be reached at:
 - (i) For USA customers:
Email: support@furrrion.com
Address: Furrrion LLC, 52567 Independence Court Elkhart, IN 46514 USA
 - (ii) For Australia customers:
Email: warranty.au@furrrion.com
Address: Furrrion Ltd, Unit 614-615, Core D, Cyberport 3, 180 Cyberport Road, Hong Kong
Toll-free Number: 1-800-885-957
6. Following the filing of a claim, Furrrion 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, Furrrion will pay for the re-delivery of the replacement items.
8. Installation of any repaired or replaced product will not be Furrrion's responsibility.
9. If you do not allow the authorised 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 Furrrion 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-user 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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