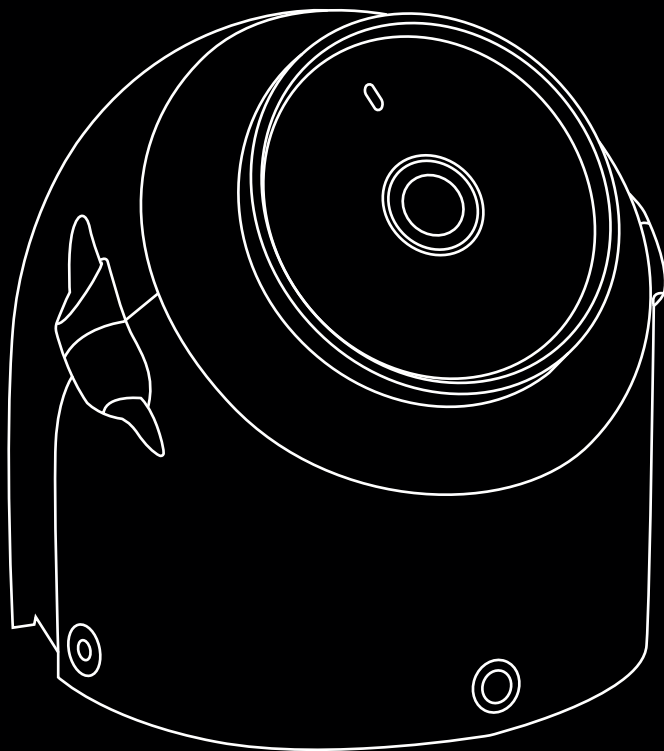


AI Omnicam

Installation guide



motive

 **WARNING**

FAILURE TO PROPERLY AFFIX THE DEVICE TO THE VEHICLE CAN CAUSE THE DEVICE TO DETACH AND RESULT IN SERIOUS INJURY.

SIMILARLY, BOLTS, NUTS, SCREWS, THE MOUNT, AND OTHER MECHANICAL COMPONENTS USED TO AFFIX THE DEVICE TO THE VEHICLE CAN LOOSEN, BREAK, AND FAIL OVER TIME WHICH CAN ALSO CAUSE THE DEVICE TO DETACH AND RESULT IN SERIOUS INJURY.

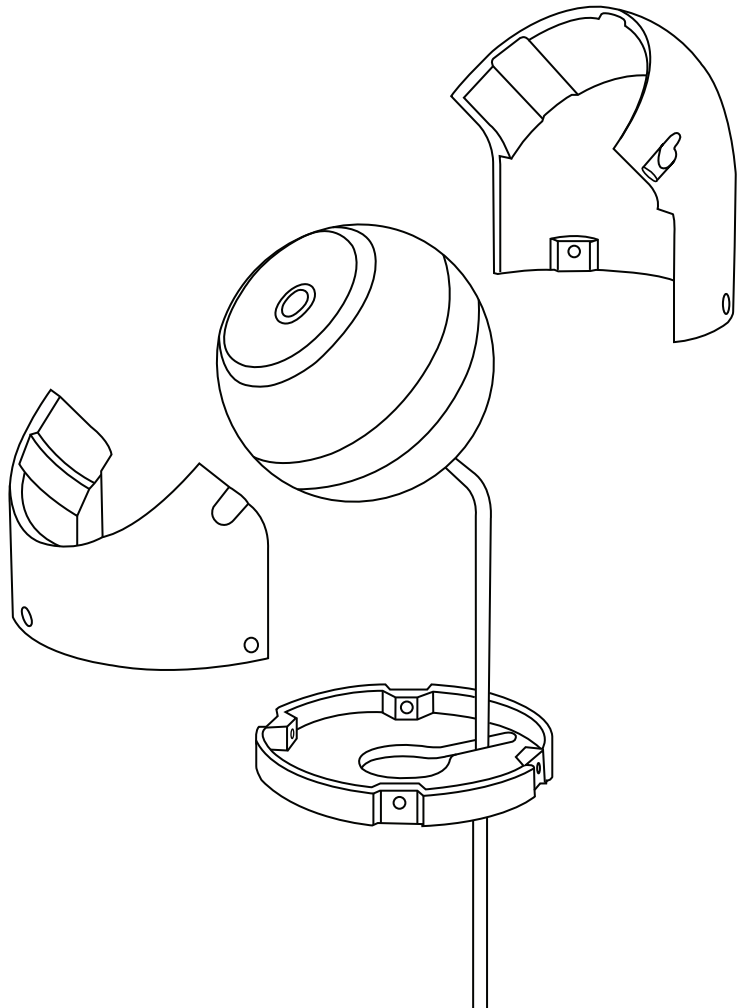
READ AND FOLLOW ALL INSTALLATION AND SAFETY INSTRUCTIONS PROVIDED IN THE GUIDE AND SUPPORT ARTICLES. REGULARLY INSPECT THE CAMERA, BOLTS, NUTS, SCREWS, THE MOUNT, AND MECHANICAL COMPONENTS TO ENSURE THEY ARE IN GOOD WORKING ORDER AND REMAIN PROPERLY AFFIXED TO THE VEHICLE.

YOU ARE RESPONSIBLE FOR SECURING THE MOUNT AND CAMERA TO YOUR VEHICLE, CHECKING THE HARDWARE PRIOR TO USE, AND PERIODICALLY INSPECTING THE PRODUCTS FOR ADJUSTMENT, WEAR, AND DAMAGE.

IF YOU DO NOT UNDERSTAND ALL OF THE INSTRUCTIONS AND CAUTIONS, OR IF YOU HAVE NO MECHANICAL EXPERIENCE AND ARE NOT THOROUGHLY FAMILIAR WITH THE INSTALLATION PROCEDURES, YOU SHOULD HAVE THE PRODUCT INSTALLED BY A PROFESSIONAL INSTALLER.

Introduction

Motive AI Omnicam is the first LTE-built side/rearview camera introduced to capture 360-degree footage of vehicles. It's an AI-enabled hardware product that provides visibility in side-swipe and rear-collision cases.



Installation requirements: AI Omnicam

What comes in the box?



Camera with 5-meter captured cable



Front housing



Rear housing



Metal plate (1)



Grommet (1)



Locknuts (4)



M3 screws (10)



Allen key (1)



M4 bolts (4)



Reset pin (1)



Washers (8)

Tools required



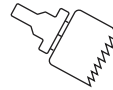
Power drill



Drill bits



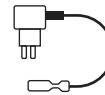
Screwdriver with standard bits and torques bits



Step drill bit or 17mm hole saw bit



Wire stripper



Circuit fuse tap or an in-line fuse tap



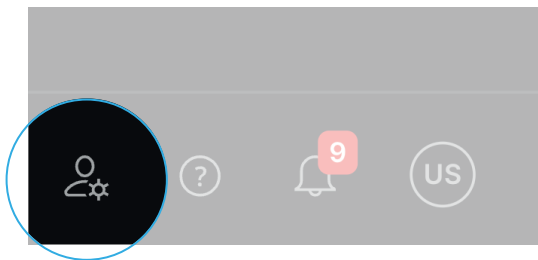
5Amp fuse for each camera

Steps: Installing AI Omnicam

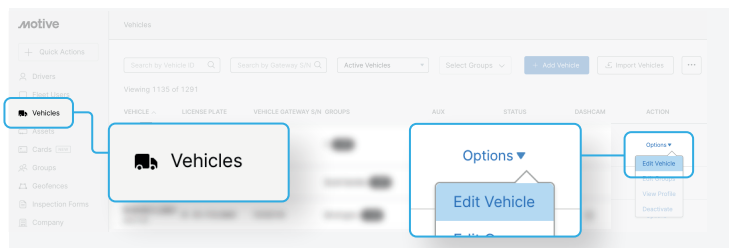
- Pre-installation
- Permanent Installation

Pre-installation

1. [Login to the Fleet Dashboard](#) and click the **Admin icon** at the bottom left corner.

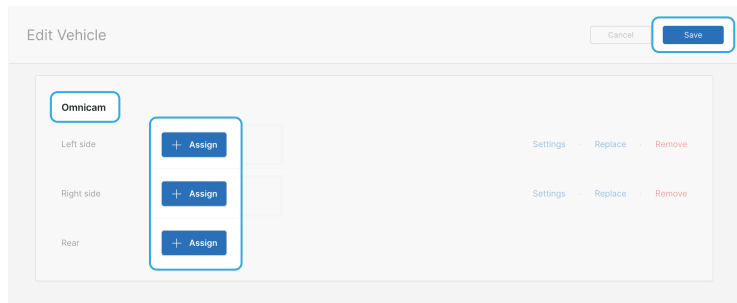


2. Click **Vehicles** from the left-hand side menu.
3. Click **Options** in the Action column of your vehicle.
4. A drop-down menu appears, click **Edit Vehicle**.

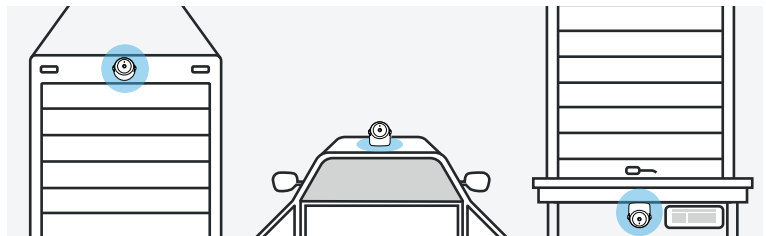


Pre-installation

5. The **Edit Vehicle** screen displays, scroll down to the Omnicam section.
6. Click **Assign** to enable the AI Omnicam for each mounted location.
7. Click **Save** at the top right corner.



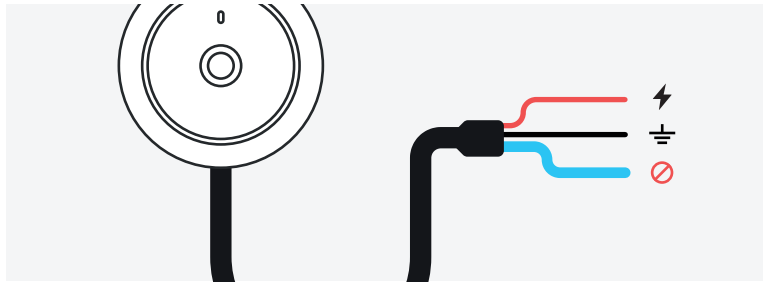
8. Once assigned, decide the mounting location on your vehicle. The surface should be as flat as possible to ensure a robust connection.



Pre-installation

! **Note:** If you decide to use your custom bracket to mount to the AI Omnicam, you choose to do so at your own risk. Motive is not responsible for any damage that occurs while using the custom brackets. Please contact the [Motive support team](#) if you have any questions about the AI Omnicam installation.

9. Temporarily power the camera using a 12V or 24V red wire and a 5Amp fuse to check the mounting location field of view.



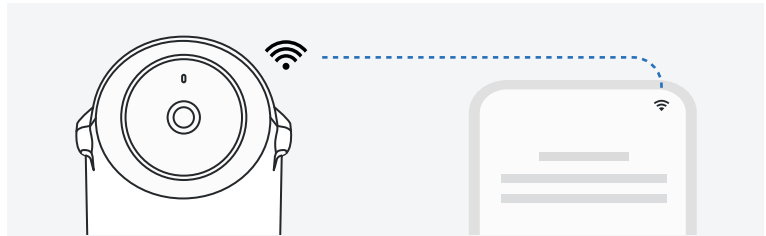
! **Note:** Only use the red power wire and black ground wire. Make sure to not use the blue-wrapped wires for any direct connection. Read this article before trimming any wire more than 8 inches.

Pre-installation

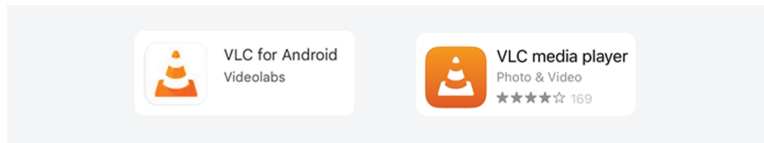
10. Once you provide power to the AI Omnicam, it displays an available WiFi connection on your mobile or laptop device. Use the following credentials to connect each AI Omnicam with your device using WiFi to check its field of view:

SSID: Motive Omnicam <last 6 digits of S/N>

PW: 1234567890

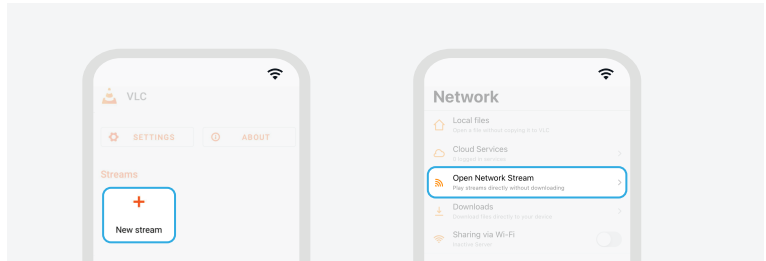


11. Now, download the VLC player app on your device using Android Google Play Store or the Apple App Store.

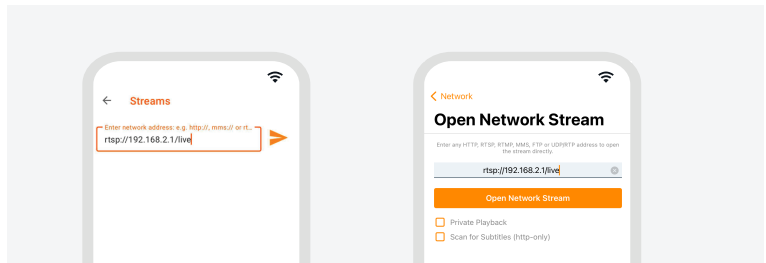


Pre-installation

12. Open the VLC Media Player and click New Stream on your Android device or click Open Network Streams on your iOS device.

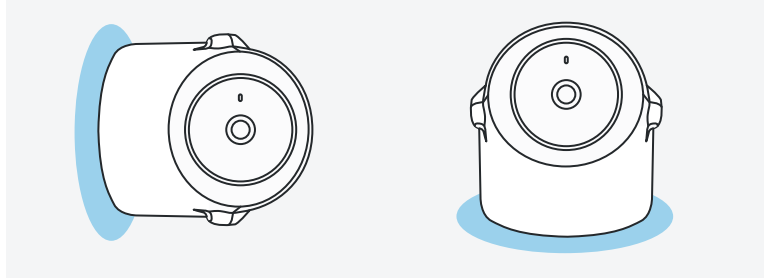


13. Type this URL `rtsp://192.168.2.1/live` to view your AI Omnicam video live.

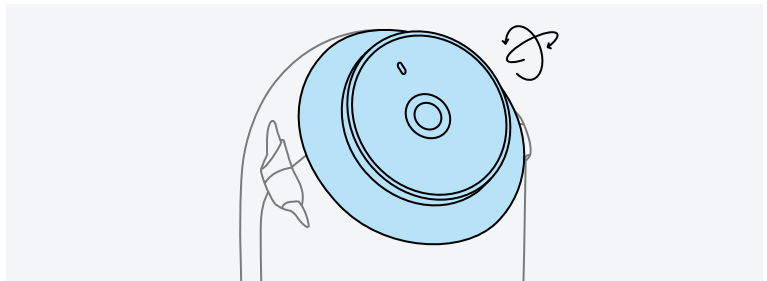


Pre-installation

14. Hold the camera with mount assembly on your selected location with the LED facing upward to check its field of view.

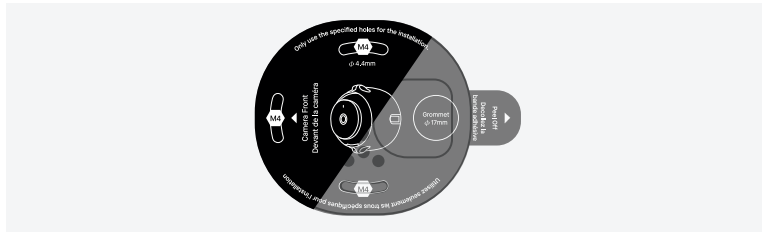


15. You can adjust the Field Of View by moving the camera around. Ensure you're getting a clear and desired view.

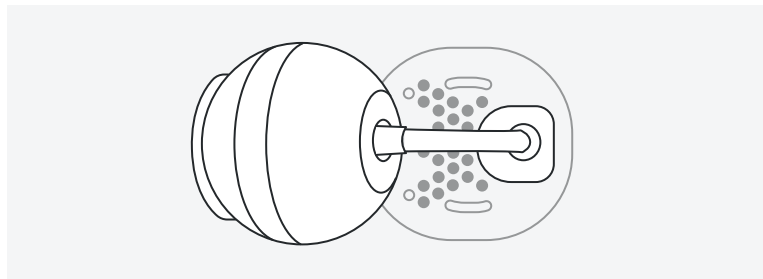


Permanent installation

1. Follow the steps from 1 to 9 from the above section.
2. Once you're satisfied with the field of view, disconnect temporary power from the camera.
3. Use the alcohol wipes provided in the box to wipe the surface before permanent installation.
4. Remove the black sticker from the mounting plate.

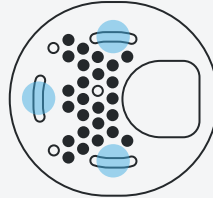


5. Before drilling holes for permanent mounting, make sure the camera is pointed in the opposite direction of the grommet hole.



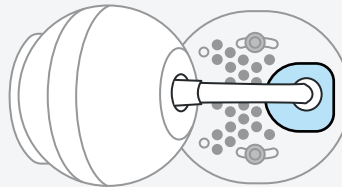
Permanent installation

6. Install the mounting plate at your selected location using the provided grommet, M4 bolts, locknuts, and washers.



- !** **Note:** Only use the provided hardware kit for installation. Use the mount plate slots for the provided M4 bolts and don't use other slotted holes for installation. Also, ensure that you have access to all M3 screw locations on the metal base plate.

7. Route the camera cable through a metal base plate and grommet hole.



Permanent installation

! **Note:** Split loom tubing can be used to further protect the cable if it is exposed to outside elements.

8. Power the camera permanently using the 12 V or 24 V red wire.

! **Note:** If more than 5 meters of cable is needed to connect to vehicle power, it requires an additional wire harness (20AWG is suggested).

9. Connect the front housing of the camera mount using M3 screws. The Allen key is provided to tighten these M3 screws.
10. Connect the rear housing of the camera mount with M3 screws.
11. Ensure the LED of the camera is facing up towards the sky before tightening the screws.
12. Now, check the field of view (FOV) of your installed camera. You can untighten the side screws to rotate the camera within the mount to adjust its FOV.



Permanent installation

13. Once securely connected, your camera may undergo a software update that is indicated with a white flashing LED.
14. The LED turns solid white once the camera is updated and is ready to record.



Note: Remove the plastic protective film on the camera once installation is complete.

Safety & privacy

The Motive AI Omnicam is a Driver and Fleet Management aid only. It is not a substitute for safe, conscientious driving and cannot compensate for distracted, inattentive, or impaired driving. All warning and alert features provided by Motive products are for informational purposes only. No warning or alert feature provided by Motive products is intended to replace your responsibility to observe all road and driving conditions, abide by all traffic regulations, and use safe driving judgment at all times.

Video recordings made by Motive AI Omnicam are for personal or internal use only.

The Motive AI Omnicam uses artificial intelligence to identify animate and inanimate objects in video and images, potentially including individual persons, and the data captured by the AI Omnicam may be used in the creation and production of other Motive products and services.

In some jurisdictions, it could be considered an invasion of privacy rights to take or publicly display photographs or videos of people or their vehicles using this product or to publish or reproduce such photographs or videos. Further, some jurisdictions may have laws governing the collection, use, storage, and destruction of a person's biometric information, including face geometry and voiceprint.

It is your responsibility to know and comply with applicable laws and rights to privacy in your jurisdiction, including obtaining proper consent and authorizations.

Note

The product was validated using the suite of reliability tests that were guided by the standards below:

- ISO-16750-3
- ISO-16750-4
- ISO 16750-5
- IEC 60529
- IEC 60068-2-5

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.

Safety & privacy

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 equipment.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment and RSS 102 RF exposure compliance requirements. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by Motive could void the user's authority to operate this equipment.

This device contains license-exempt transmitters/receivers that comply with Part 15 of the FCC Rules and with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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



Troubleshooting

855-434-3564
support@gomotive.com
help.gomotive.com

Resources



Scan this code or visit gomotive.com/omnicam-install for detailed information and recommendations on installing and assigning your AI Omnicam.