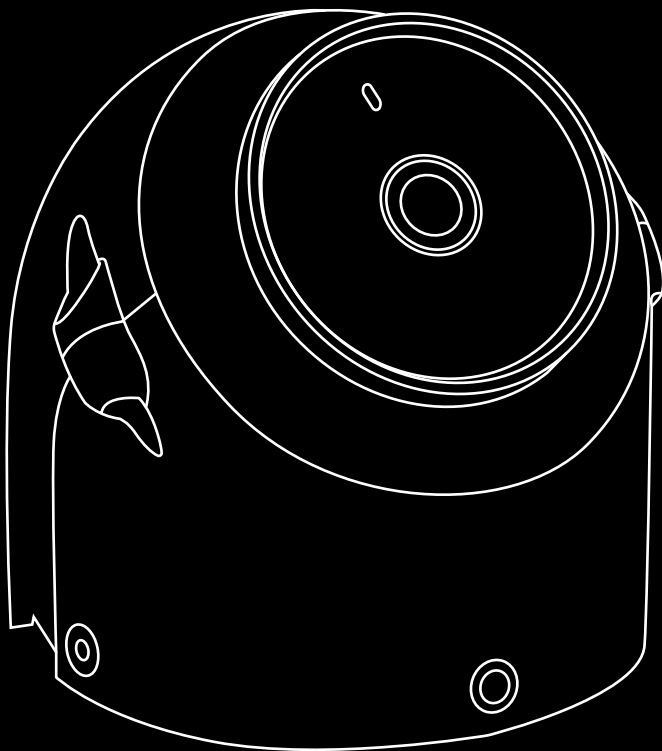


AI Omnicam | OC-1

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.

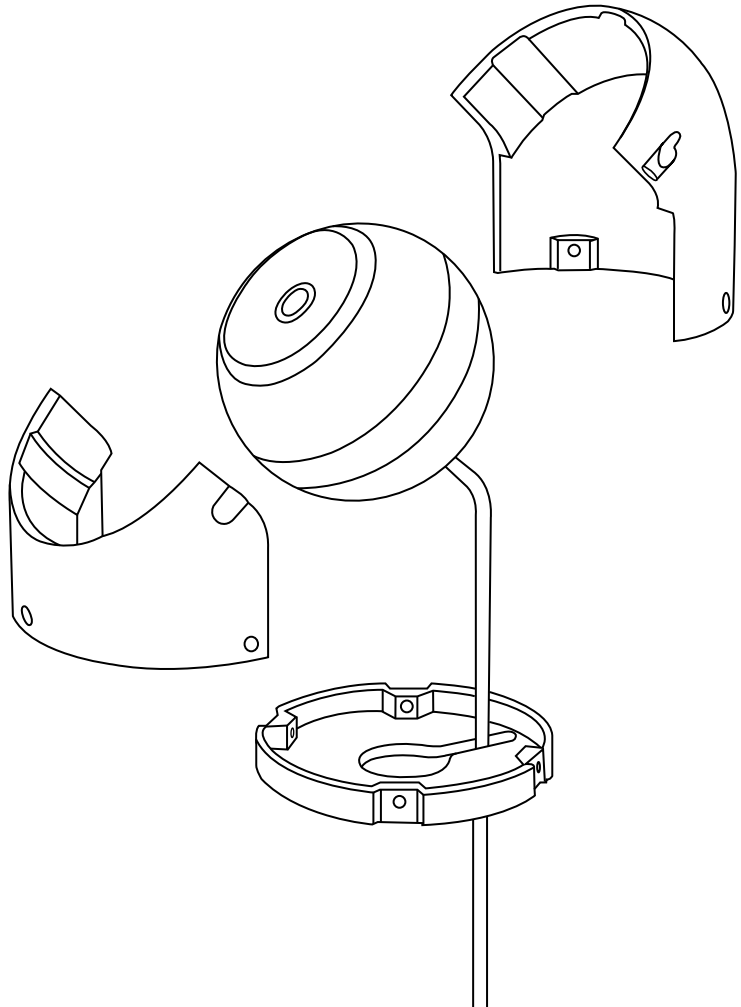
YOU ARE RESPONSIBLE FOR SECURING THE MOUNT AND CAMERA TO YOUR VEHICLE, CHECKING THE HARDWARE PRIOR TO USE, AND PERIODICALLY INSPECTING THE PRODUCTS FOR ADJUSTMENT, WEAR, AND DAMAGE.

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.

THIS EQUIPMENT DOES NOT HAVE BUILT-IN VoLTE TECHNOLOGY.

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 capture cable



Front housing



Rear housing



Metal plate (1)



Grommet (1)



Locknuts (4)



M3 screws (10)



Allen key (1)



M4 bolts (4)

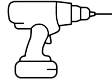


Reset pin (1)



Washers (8)

Tools required



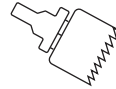
Power drill



Drill bits



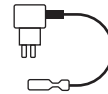
Screwdriver with standard bits and torques bits



Step drill bit or 17mm hole saw bit



Wire stripper



Circuit fuse tap or an in-line fuse tap



5Amp fuse for each camera

Introduction

Fleet Managers, Fleet Admins, and Installers can now install and onboard AI Omnicam with the Motive Fleet App without going to the Fleet Dashboard. The Fleet App supports the following workflows:

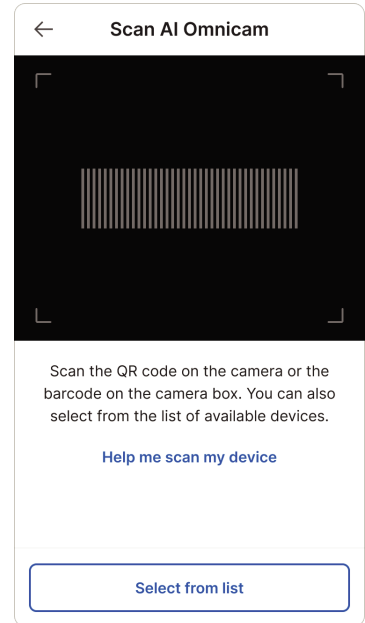
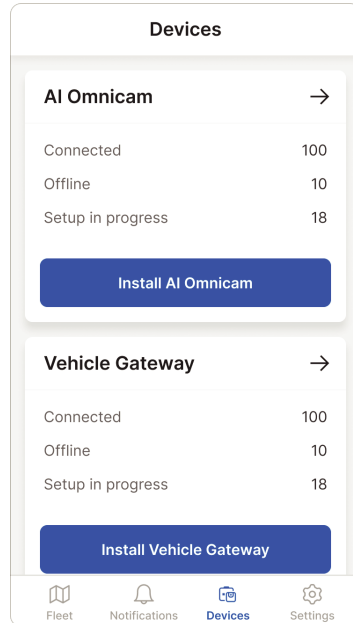
1. Installing a new AI Omnicam device to an existing vehicle
2. Replacing an AI Omnicam device on an existing vehicle
3. Moving an AI Omnicam device from one vehicle to another

Steps: Onboarding AI Omnicam using Fleet App

1. Assigning the AI Omnicam
2. Testing the install location
3. Permanent Installation

Assigning the AI Omnicam

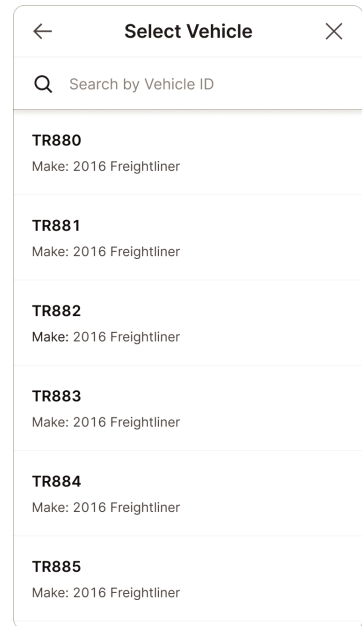
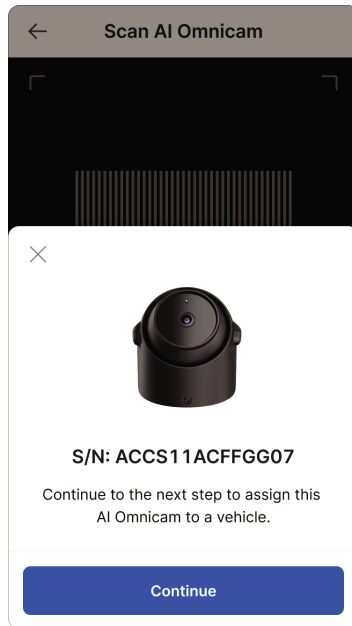
1. Log in to the Fleet App and tap **Devices** at the bottom of the screen.
2. Tap **Install AI Omnicam**.
3. Scan the QR Code on the back of the AI Omnicam or the barcode from the AI Omnicam box or **Select from list**.



Assigning the AI Omnicam

4. Tap **Continue** once the serial number is identified.

5. Select the vehicle in which you are installing the AI Omnicam.



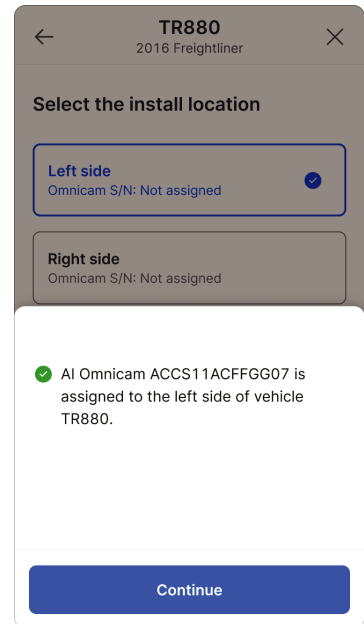
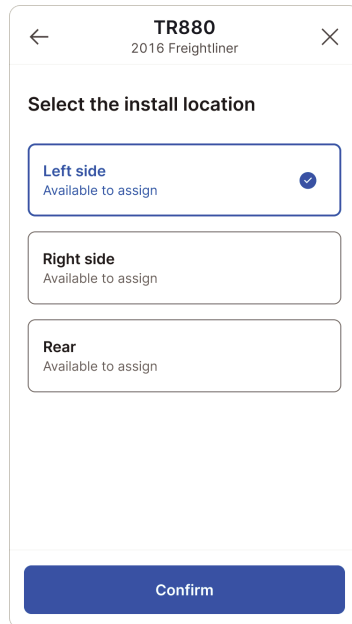
! Only vehicles assigned with a Vehicle Gateway can be selected. Ensure you install a vehicle gateway prior to installing the AI Omnicam if it hasn't been done already.

Assigning the AI Omnicam

6. Select the side of the vehicle where you are installing the AI Omnicam.

Once Selected, tap **Confirm**.

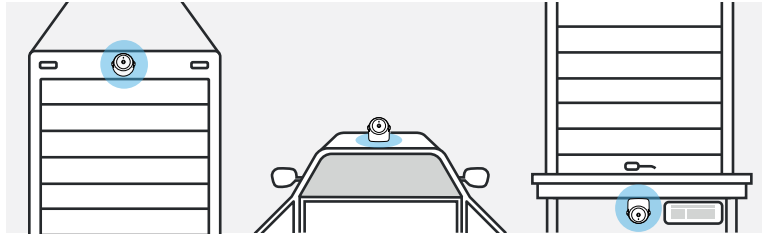
7. Selected AI Omnicam will be assigned to the selected vehicle side. Tap **Continue** to proceed with testing the installation location.



! AI Omnicam can also be assigned through the Fleet dashboard by going to:
Admin → Vehicles → Edit Profile → Assign AI Omnicam

Testing the Installation Location of AI Omnicam

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



! **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.

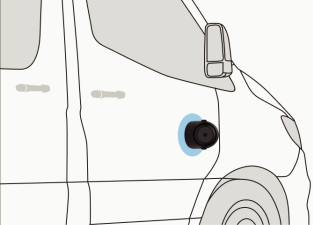
Testing the Installation Location of AI Omnicam

2. Test the selected installation spot by tapping on **Test the installation location**.

This step can be skipped.

3. Power the camera using temporary power using a 12V or 24V red wire and a 5A fuse to check the mounting location field of view and tap **Next**.

TR880
Left Side



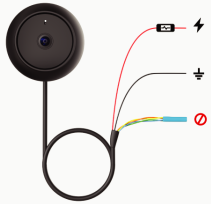
Recommended install location

The AI Omnicam should be installed on the door or cowl. Before securing the camera in place, test the location first to ensure you have a clear view.

[Skip this step](#)

Test the install location

← **Test Install Location** ×
TR880, Left side



Step 1 of 5

Connect temporary power

Power the camera using red wire (12V or 24V) and a 5A fuse. Constant power is recommended with an inline switch. Do not use blue wrapped wires.

[Learn more](#)

Next

Note: Only use the red power wire and black ground wire. Make sure NOT to use the blue-wrapped wires for any direct connection.

Testing the Installation Location of AI Omnicam


- ! For a fuse panel install ensure using a fuse tap or add-a-circuit to create a fused ignition source and then ground to the chassis or any other available ground on the vehicle. [Read this article](#) before trimming any wire more than 8 inches.

5A fuse will also be needed for permanent installation.

4. Wait for LED to go from blinking white to solid white before tapping **Next**.

5. Tap **Connect to AI Omnicam**.

← Test Install Location ×
TR880, Left side

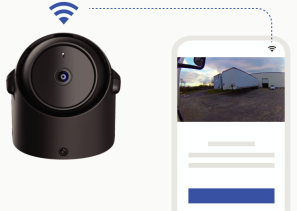


Step 2 of 5
Software update

If your device undergoes a software update, wait for the camera LED to go from blinking white to solid white before moving to the next step.

Next

← Test Install Location ×
TR880, Left side



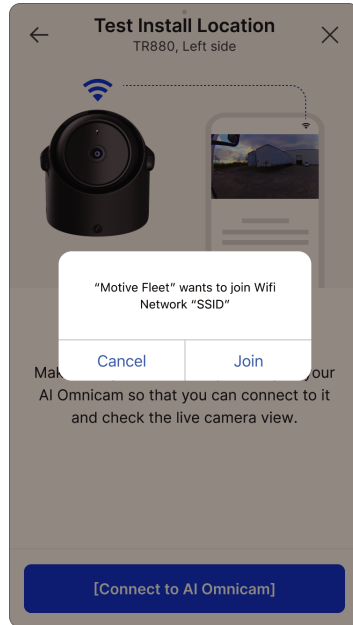
Step 3 of 5
Connect to the AI Omnicam

Make sure you're in close proximity to your AI Omnicam so that you can connect to it and check the live camera view.

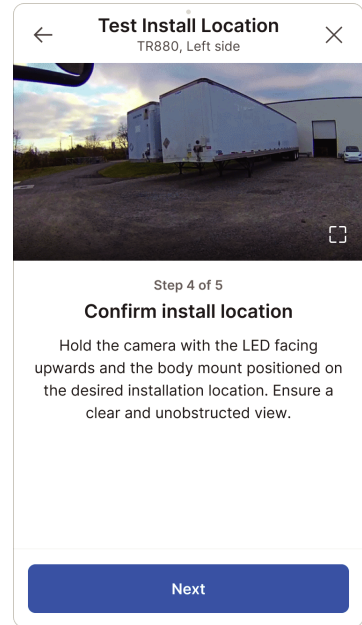
Connect to AI Omnicam

Testing the Installation Location of AI Omnicam

6. Mobile device will connect to the local WI-FI of the AI Omnicam. Tap **Join**.

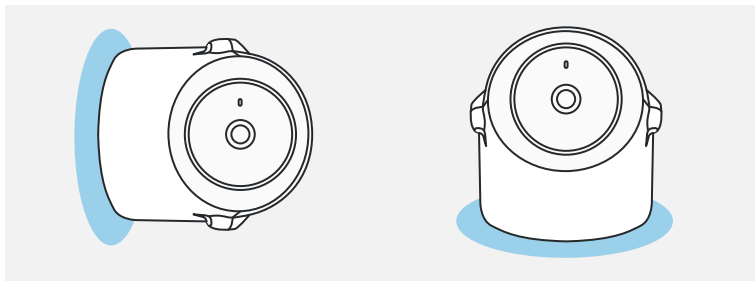


7. The upper section displays the live camera view. Tapping the lower right corner enlarges the feed. After testing, proceed by tapping **Next**.

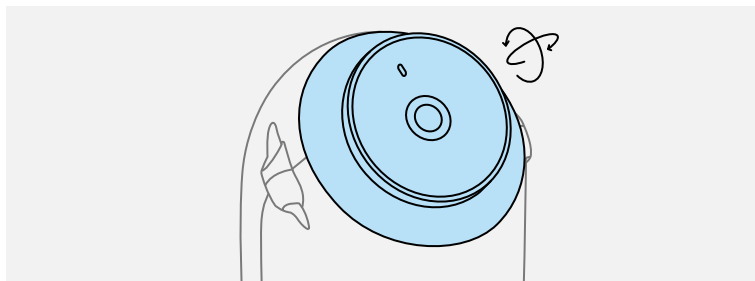


Testing the Installation Location of AI Omnicam

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

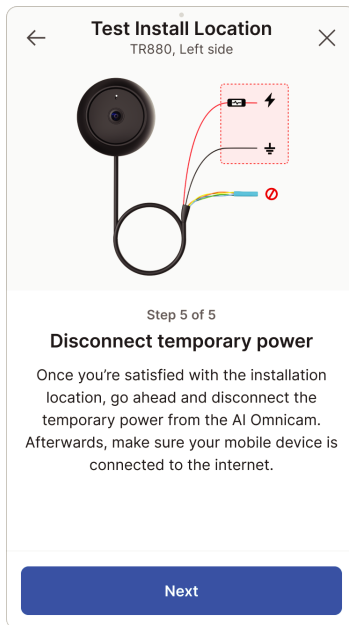


9. You can adjust the Field Of View by moving the camera around. Ensure you're getting a clear and desired view.



Testing the Installation Location of AI Omnicam

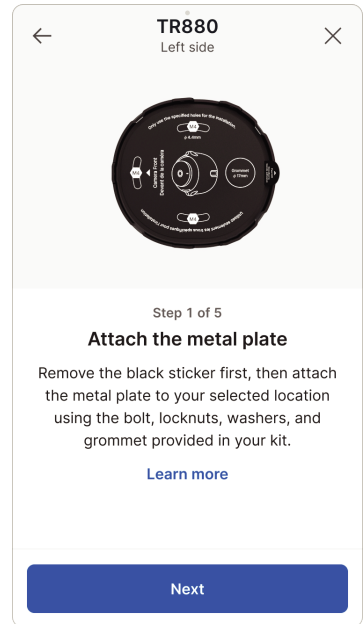
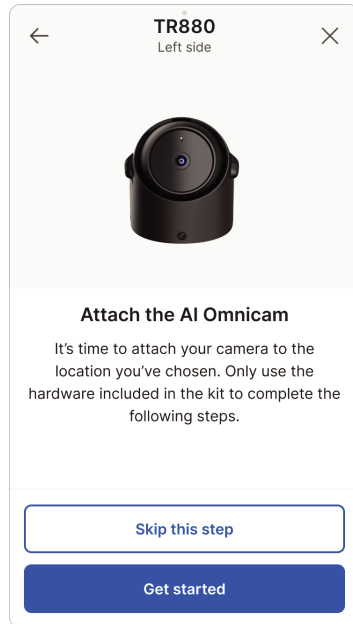
10. Disconnect the temporary power once the installation location is fixed and tap **Next**.



Permanent installation

1. Click **Get started** to proceed with permanent installation.

2. Attach the metal plate and tap **Next**.




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.

Permanent installation

3. Route the camera cable through a metal base plate and grommet hole and tap **Next**.

← TR880
Left side ×



Step 2 of 5

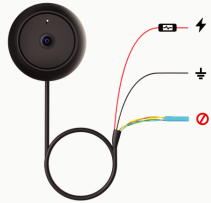
Route the cable

Route the camera's cable through the grommet hole.

Next

4. Power the camera permanently using the 12 V or 24 V red wire and a 5A fuse and wait until the LED turns solid white and then tap **Next**.

← TR880
Left side ×



Step 3 of 5

Power the AI Omnicam

Power the camera using red wire (12V or 24V) and a 5A fuse. Constant power is recommended with an inline switch. Do not use blue wrapped wires. If the camera undergoes a software update, wait until the process is complete and the LED turns solid white.

[Learn more](#)

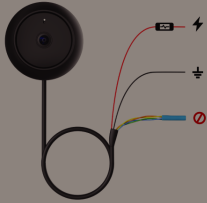
Next

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

Permanent installation

5. Select the power source.

← TR880
Left side ×



Step 3 of 5

Power the AI Omnicam

Power the camera using red wire (12V or 24V) and a 5A fuse. Constant power is recommended with an inline switch. Do not use blue wrapped wires. If the camera


Identify your power source

Constant power source

Switched ignition power source

6. Assemble the body mount and tap **Next**.

← TR880
Left side ×



Step 4 of 5

Assemble the body mount

Attach the front and rear covers to the metal plate. Before tightening the screws, orient the camera so that the LED is facing upwards.

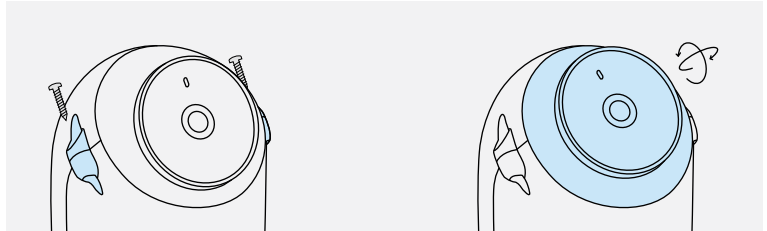
Next

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

Motive doesn't provide the additional length wire, fuse taps, and in-line switches.

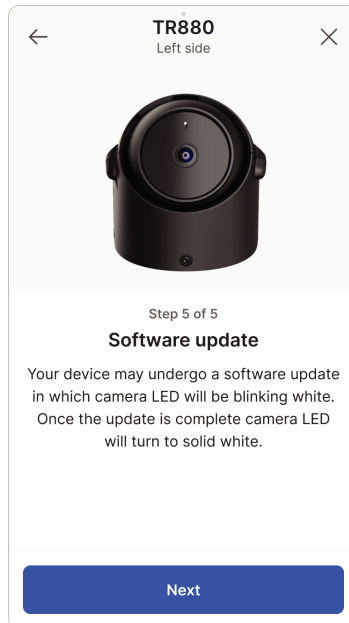
Permanent installation

7. Ensure the LED of the camera is facing up towards the sky before tightening the screws.
8. 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.



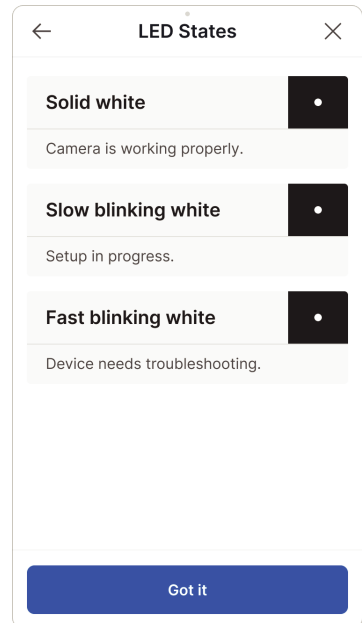
Permanent installation

9. Once securely connected, your camera may undergo a software update that is indicated with a white flashing LED. Tap **Next**.



10. The LED turns solid white once the camera is updated and is ready to record.

The vehicle engine should be turned on to view the LIVE stream of an AI Omnicam.

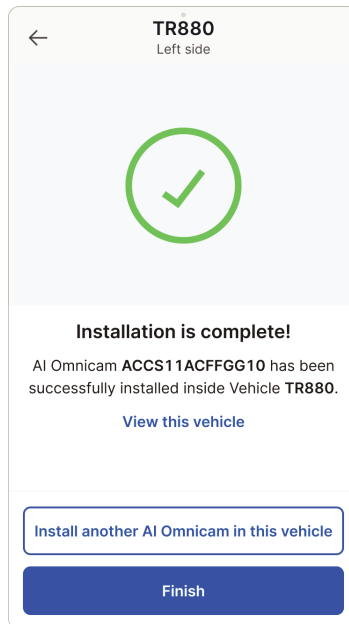


Note: Remove the plastic protective film on the camera once installation is complete.

Permanent installation

11. Installation is complete and the AI Omnicam is installed on the selected vehicle side.

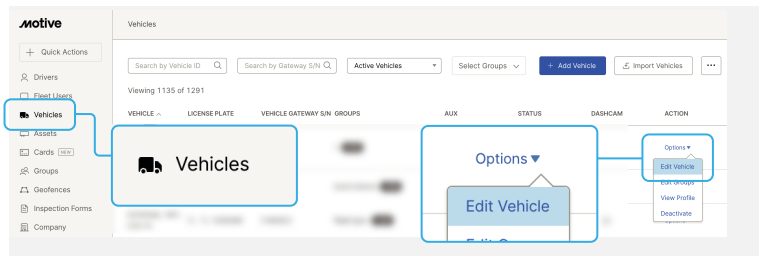
Tap **“Install another AI Omnicam in this vehicle”** to install the AI Omnicam on another side of the vehicle.



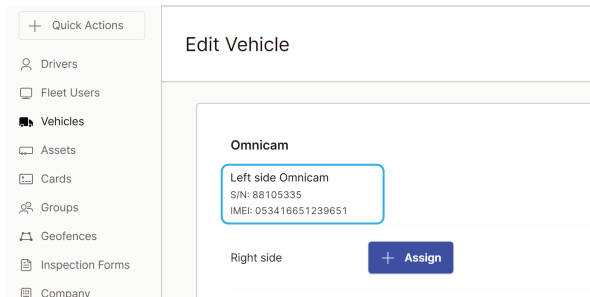
Note

If you need to know the IMEI of your product, follow the steps below:

1. Login to your Motive fleet dashboard
2. Go to Admin → Vehicles
3. Select Vehicle → Edit profile



4. Scroll to Omnicam section



If no Omnicam IMEI is found, first assign an Omnicam to the vehicle profile to show the associated IMEI info.

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 (US)
support@gomotive.com
helpcenter.gomotive.com

Resources



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