



SureCam Dual Installation Guide

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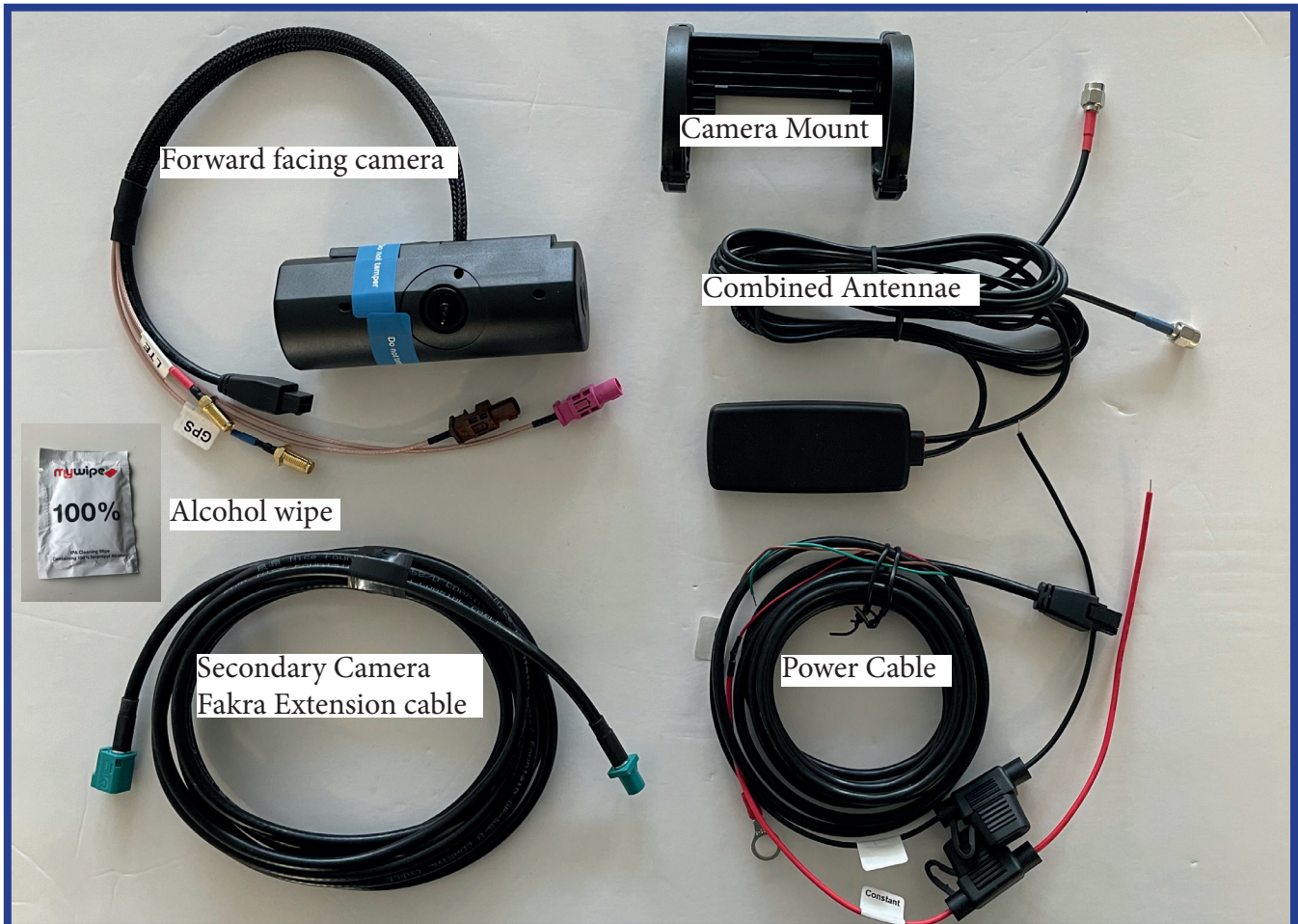
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Kit Overview



The Dual Camera kit comprises of the following parts:

Forward Facing Camera
Camera Mount
Power Cable
Alcohol Wipe
LTE Antennae
Secondary camera fakra extension cable

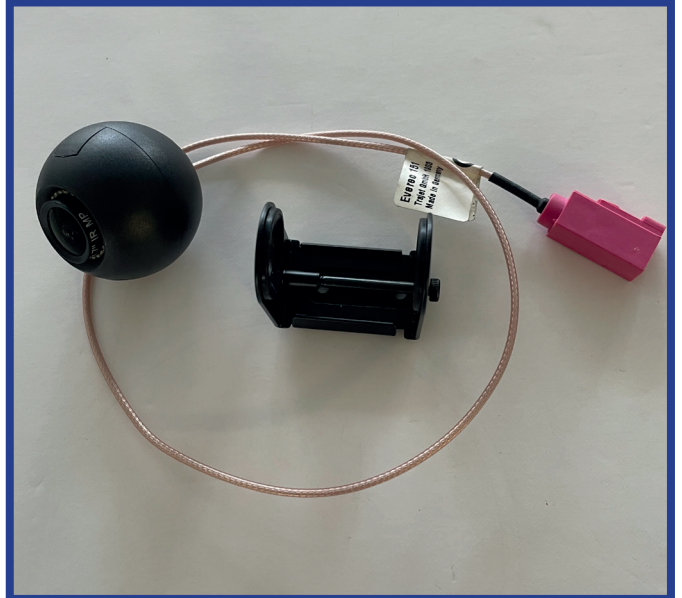
Internal Camera - Pictured below
External Camera - Pictured below

External Camera



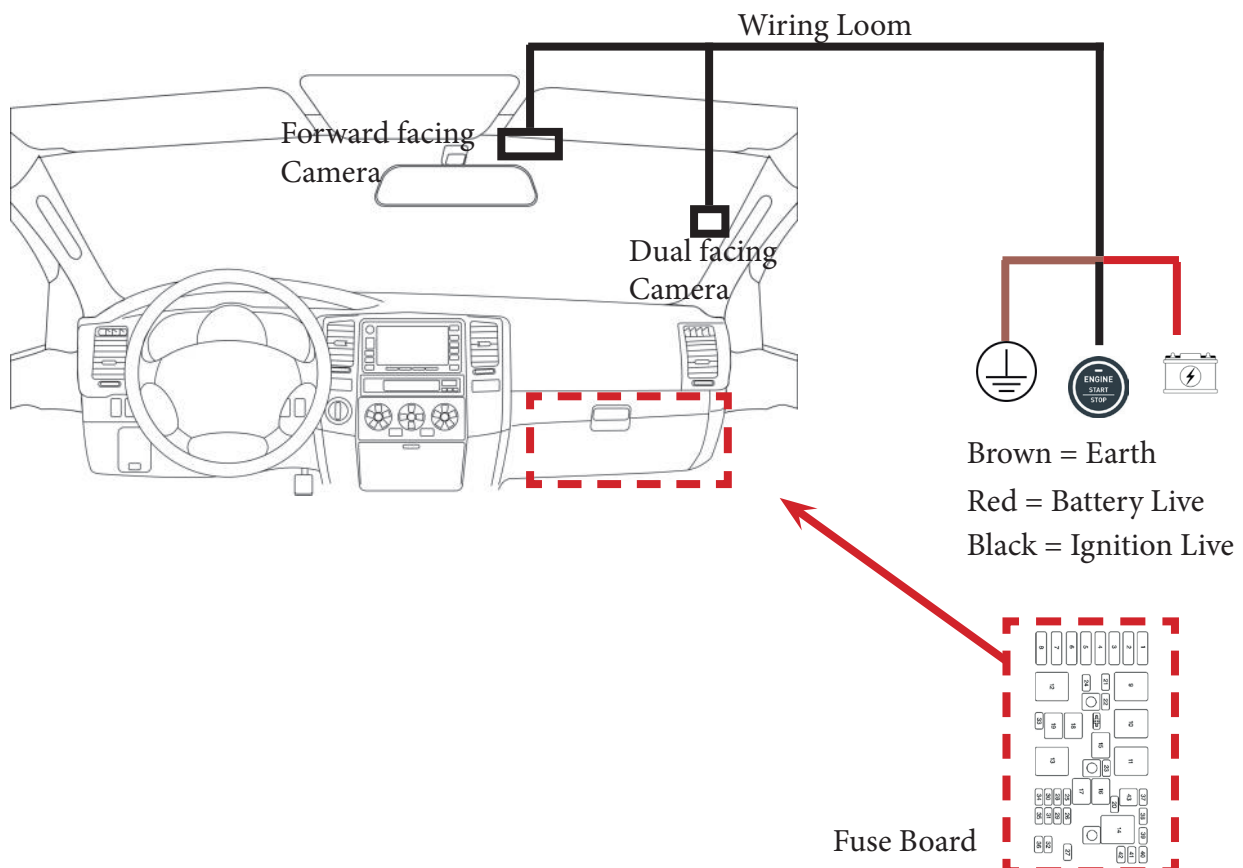
The external camera is typically used as a nearside or rear facing camera

Internal Camera



The internal camera is designed to be fitted anywhere inside the vehicle

Installation Overview



Step 1 - Windscreen preparation



Clean the windscreen using the alcohol wipe and make sure its dry and warm for the mount to be installed.

Step 2 - Placing the mount on the windscreen



Once the windscreen has been cleaned in the best location for placing the camera on the vehicle type you're installing, Remove the plastic film off the mounting tape and place the mount on the windscreen gently pressing the mount all over its adhesive footprint to ensure you achieve solid adhesion which can be seen by looking at the mount from the front of the vehicle.

Note: You want to see minimal air-pockets between the tape and the windscreen. It helps to run the heater in cold climates to warm the tape and windscreen before sticking the mount in place.

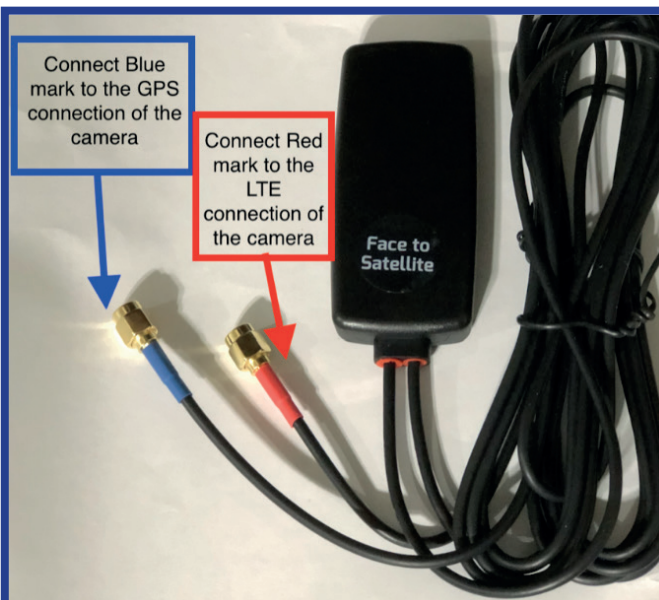
Step 3 - Adjustable Mount



Adjustable mount - The forward facing camera is placed in the mount with the wire protruding out the top of the camera and the back of the mount is hinged up to hold the camera and then secured in place using a T10 torx key.

Note: On some vehicle types with flat/vertical windscreens the camera cable may need to sit behind the crossbar of the mount to achieve the correct viewing angle.

Step 4 - Mounting and connecting the combined antenna



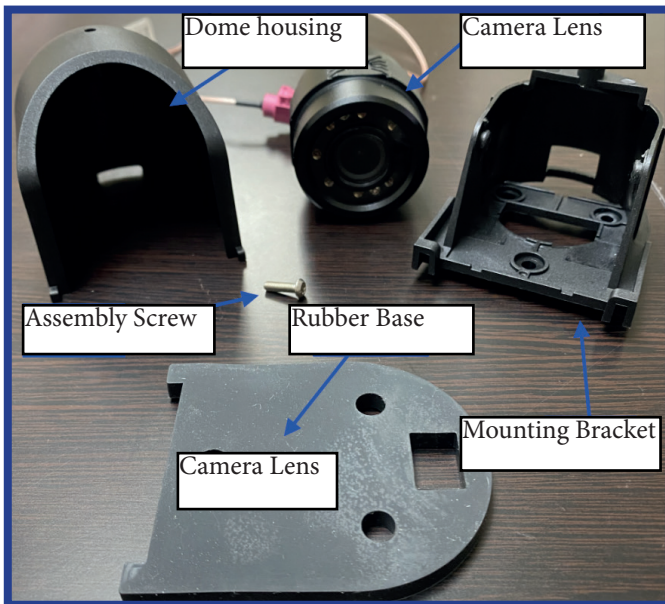
Caution: The Antenna must be mounted in an area which provides a clear view of the sky, and at least 8 inches away from the road facing device

Note: The **Blue** lead of the antenna is for GPS; the **Red** lead of the antennae is for cellular (LTE)

1. Prepare the windshield by cleaning the area intended for the antenna.
2. Apply the double-sided backing tape to the side of the antenna labelled "Face to Satellite"
3. Press the antenna to the windshield. Hold in place for at least 10 seconds.
4. Once mounted, connect the antenna cables to the camera
 - Connect the red lead of the antenna to the connector on the camera labelled "LTE"
 - Connect the blue lead of the antenna to the other connector (GPS) on the camera

Step 5 - Mounting the secondary camera

Externally mounted camera



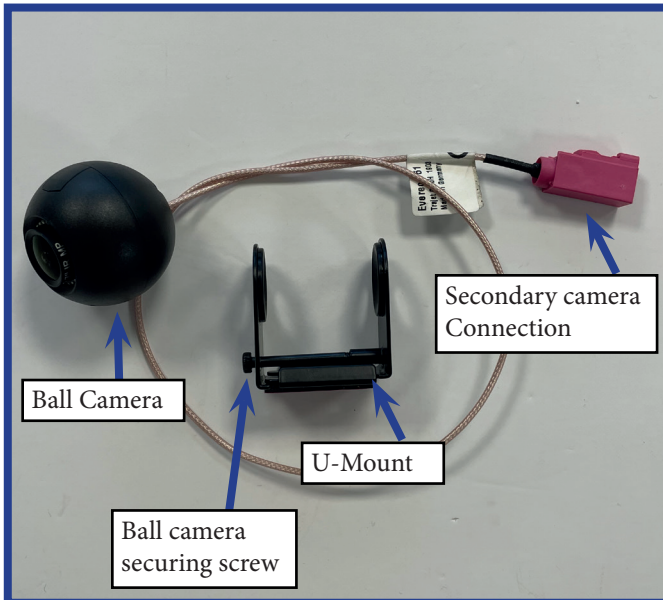
1. Identify a suitable location to mount the exterior secondary camera, depending on the desired view
 - The identified location must have a flat surface
 - Please consider any potential obstructions to the secondary camera's view when the truck is fully loaded
2. Place the rubber base with the mounting bracket on top at the desired location, facing in the direction of the camera's intended view.
3. Apply Silicone sealant into the 3 pre-drilled holes.
4. Screw in 3 self-tapping screws in the 3 pre-drilled holes to secure the base to the vehicle.



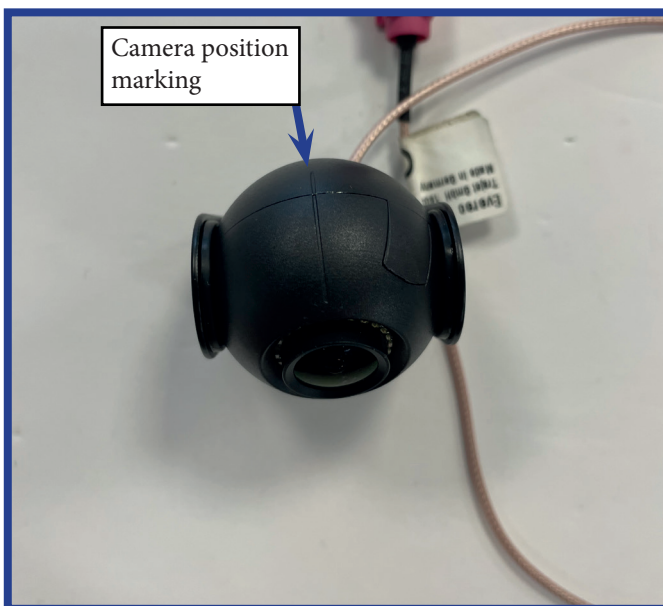
The marked indicator needs to point towards the ground in order to have an upright view

5. Place the camera lens within the mounting bracket. Ensure that the lens is placed in the upright position, with the indicator pointing vertically downwards (as shown on the left)
6. Place the dome on the bracket and secure the bracket with the provided screw, as shown.

Internally mounted camera



1. Identify a suitable location to mount the internal secondary camera, depending on the desired view.
2. Consider any items that could be used obstruct the camera like sun-visors, passenger headrests etc.
3. Securing the mount to the vehicle can be done two ways it can be stuck down using the double sided base on windscreens etc or it can be screwed down through the two holes in the base of the mount.



4. Place the ball camera into the U-mount and position it with the marking line at the top of the mounting position.
5. Tighten the U-mount onto the ball camera using the securing screw.

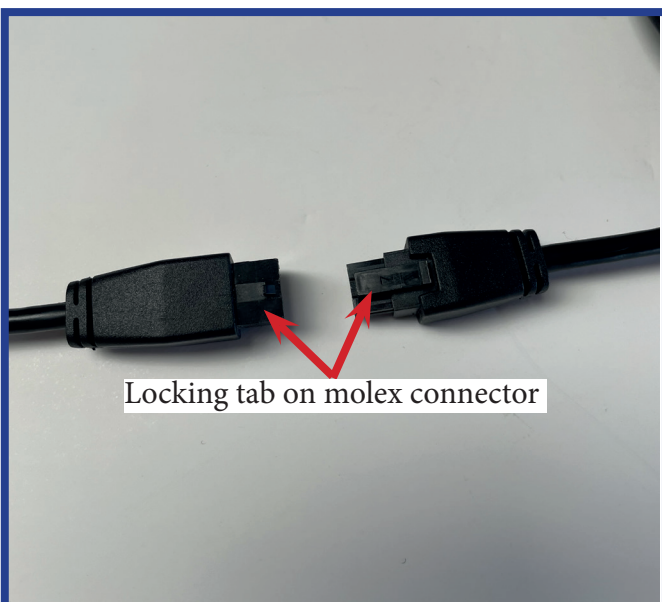
Step 6 - Secondary camera connector extension cable



1. Begin by connecting the pink connector (female) on the secondary camera to the teal extension cable connector (male) and push the together till you hear it Click.
2. Check the connection by pulling gently to ensure they do not separate.

Caution: Failure to ensure a tight connection may result in poor video quality or lost video.

Step 7 - Connecting the power cable to the camera



The camera is connected to the power cable through a 6 pin molex cable and this only connects together one way by lining up the locking tab.

Cation: If forced together the wrong way round it will damage the connector.

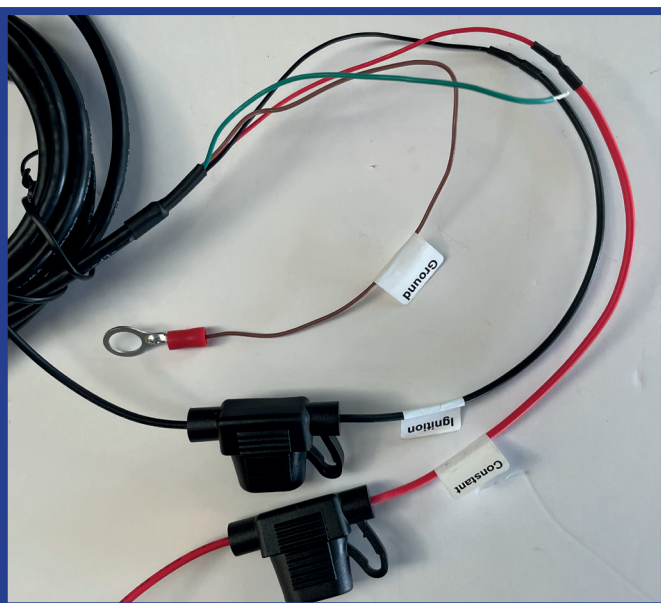
Step 8 - Routing the power cable



After the molex connector is connected the cable routing can take place.

It looks best to hide all cable behind trims, roof linings the dashboard etc and its essential in doing so to always follow and secure the cable to the OEMs wiring cables so as not to restrict things like airbags as shown in the image to the left.

Step 9 - Connecting the power cable to the vehicle



The power loom has four wires as follows:

Red Fuse Holder = Constant Live
Black Fuse Holder = Ignition live
Ring terminal = Chassis Earth
Green wire = Optional input

Both the black and Red fuse holders are supplied with 2amp fuses

Step 10 - Commissioning the camera

Lookup a Device



Please Scan the 2d-Barcode on your Device

Scan

Once the camera installation is complete the ignition is on and the LED lights are lit up you can test the installation using the commissioning tool <https://install.surecam.com>

Additional Information

LED light sequence

LED	Status	Reason
Orange	Solid	GPS/GLONASS Connected & device functioning correctly
	Fast flashing	Indicates ignition on/off device start and stop
	Slow flashing	Accelerometer requires calibration
Red	Solid	Modem is on flashes for set up & firmware upgrade
	Slow flashing	Modem is connected to cellular provider
Green	Solid	Device ready to record video & telemetry data
	Fast flashing	Performing update
	Slow flashing	Transmitting or recording taking place
	Blinks in 2 pulses	No GPS or GLONASS time available
	Blinks in 3 pulses	Video ready to send - no cellular connectivity
	Blinks in 4 pulses	Modem error
	Blinks in 6 pulses	Memory full

UK Camera placement guidelines - MOT View to the front requirements:

MOT View to the Front requirements:

All camera's are allowed to be and **must be** mounted within the swept area to achieve the best view of the road in all weather conditions. The camera must never be fitted in "Zone A" and should always be at the top or bottom of the windscreen depending on the vehicle type.

Note: Where any damage or obstruction does not impair the driver's view of the road, the vehicle should pass. If it only affects the driver's view of the sky or the bonnet then this is not to be considered a reason for rejection. This is a general assessment of driver's view – you are not required to speculate on the effects on tall or short drivers. Any manufacturer's original design characteristics are to be accepted. The inspection manual will be amended at the next available opportunity.

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