

# Installation Guide

N693

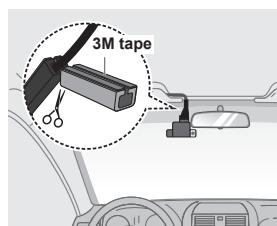
05/2021

## C. Affix the fleet cam

### Note:

- Cleaning the windshield with rubbing alcohol before mounting the fleet cam is highly recommended.
- The double-sided adhesive tape can be replaced if it is no longer adhering to the windshield properly.
- The fleet cam should be placed near the rear-view mirror to ensure the highest video quality, but never position the device where the driver's field of vision is blocked.

- Peel the film off from the back of the rear plate and affix the rear plate securely onto the windshield.
- Attach the fleet cam to the rear plate by matching the positions of the three mounting holes on the back of the camera with the hooks on the rear plate. Slide the fleet cam to the left to lock it in place.
- Connect the main connector to the fleet cam.
- Attach the top cover to the fleet cam and tighten the screw with an M2 hex key.
- Cover exposed cable coming out the fleet cam with the cable cap. The rubber cap can be trimmed to desired length with a pair of scissors. Peel the 3M tape off from the back of the cable cap to adhere it to the windshield.



## D. Adjust camera viewing angle

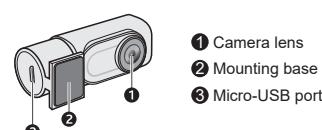
- Activate the fleet cam's hotspot function by pressing the emergency recording button for three seconds.
- Use a portable device such as a smartphone or tablet to connect to the hotspot by scanning the QR code (containing network SSID and password info) inside the box.
- Open the live view page on the portable device.
- Loosen the camera locking screw with an M2 hex key and adjust the viewing angle using the live view displayed on the screen of the portable device.

**Note:** When adjusting the fleet cam's viewing angle, make sure the vehicle is parked on level ground and the camera's view is parallel to the ground. The ground to sky ratio should be close to a 50/50 split.

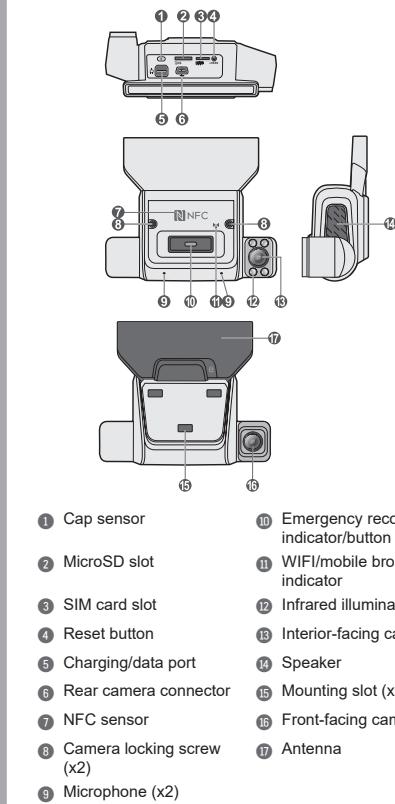
- Tighten the locking screw to lock the camera position once the angle is set.
- If your system also includes an interior-facing camera, repeat steps 4 and 5 to adjust its viewing angle. Buttons on the webpage can be used to switch to different camera views.

## E. Install rear recording camera (optional accessory)

A rear recording camera can be purchased separately as an optional accessory. Before installing the rear recording camera, please wipe the surface clean with rubbing alcohol. Select a suitable location for mounting the rear recording camera so that the driver's field of vision is not obscured.



## I. Product Overview



## II. Device Installation

### Precautions and notices

- This device has been tested and certified to meet the applicable limits for Radio Frequency (RF) exposure. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.
- For your own safety, do not operate the controls of the product while driving. Using this product does not exempt the driver from taking full responsibility for his/her driving behavior, which includes observing all traffic rules and safety regulations.
- Make sure the fleet cam is positioned in a way that does not obstruct the driver's view or airbag deployment.
- Make sure that no object is blocking the camera lens and no reflective material appears near the lens. Please keep the lens clean.
- Video quality may be degraded if the vehicle's windshield is tinted.
- If the car's windshield is tinted with a reflective coating, its surface may be athermic and impact GPS reception. In this instance, please mount the device in a "clear area".
- The device will automatically calibrate its G-sensor during start-up. Always turn on the device after it is mounted in place to avoid G-sensor malfunction.

### Installation procedure

#### A. Insert memory/SIM card

A MicroSD card (up to 256GB in capacity) and a Nano SIM card must be inserted prior to mounting the fleet cam on the windshield.

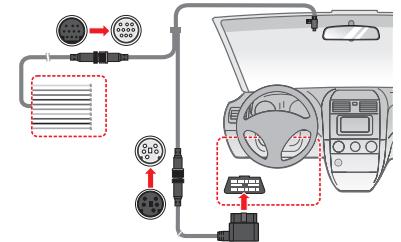
It is very important to use a MicroSD card specifically designed to be used in fleet cameras. It ensures the card will be more reliable and last longer; the wrong type of card has a greater chance of failing, even after a short period of time.

To insert a card, hold each card by the edges and gently insert it into the slot as shown in the illustration. To remove a card, gently push the top edge of the card inwards to release it and pull it out of the slot.

#### B. Route the main cable

Route the main cable inside the vehicle, leaving the main connector exposed at where the fleet cam is to be installed on the windshield and the other end going toward the vehicle's power source.

Plug the OBD-II connector into the vehicle's OBD-II port and use the table below to connect the color-coded wires:



Color	Connection
Red	Accessory (ACC)
Orange	Reverse
Yellow	Input
Green	RS232 TX Out (to vehicle)
Blue	Speed pulse
Purple	Input
Brown	Input
Grey	Output
Black	Ground
White	RS232 TX In (to fleet cam)

## III. LED Indicators

Recording/emergency recording LED:

Behavior	Indication
Red, always on	Normal recording in progress
Red, blinking slowly	Emergency recording in progress
Red, blinking rapidly	Memory card error

WiFi/mobile broadband LED:

Behavior	Indication
Cyan	System initializing
Green, always on	WIFI connected
Blue, always on	Mobile broadband connected
Blue, blinking	Mobile broadband disconnected

## IV. Hardware Reset

Occasionally you may need to perform a hardware reset when the fleet cam stops responding. The top cover must be removed in order to access the device's reset button. Use a sharp object (such as a straightened paper clip) to press the reset button.

## V. Additional Information

### Caring for your device

- Taking good care of your device will ensure trouble-free operation and reduce the risk of damage.
- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.

- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This causes moisture condensation inside the unit which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- Never attempt to disassemble, repair, or modify your device. Disassembling, modifying or attempting to repair on your own may damage your device, inflict bodily harm or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- Overheating may damage the device.

## About GPS

- GPS (Freq=1575.42MHz) is operated by the United States government, who is solely responsible for the system's performance. Any change to the GPS system can affect the accuracy of all GPS equipment.
- GPS satellite signals cannot pass through solid materials (except glass). GPS positioning is unavailable when you are inside a tunnel or building. Signal reception can be affected by conditions such as poor weather or dense overhead obstacles (e.g. trees, tunnels, viaducts and tall buildings).
- GPS positioning data is for reference only.

## Regulatory Information

For regulatory identification purposes, the device is assigned a model number of N693.

**Federal Communication Commission Interference Statement**  
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.

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 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 a radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) L'appareil ne doit pas produire de brouillage; 2) L'appareil doit accepter tout brouillage subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure. This equipment should be installed and operated with minimum distance 30 cm between the radiator and your body.

## Caution: Exposure to Radio Frequency Radiation

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
2. To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

## Attention: Exposition au rayonnement radiofréquence

1. Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.
2. Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

## Declaration of conformity

Hereby, MiTAC declares that the N693 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

## Maximum power for each band

- LTE-FDD: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B20/ B28 (25dBm)
- LTE-TDD: B38/ B39/ B40/ B41 (25dBm)
- WCDMA: B1/ B2/ B4/ B5/ B8 (25dBm)
- GSM/EDGE: 850/900/1800/1900MHz (32dBm)

## About WIFI

- Frequency: 2412 – 2472MHz
- Max. power = 18dbm

## About BT

- Max. power = 11dBm

## WEEE



This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE – 2012/19/EU). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.