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• **KY-6120 / AI Dash Cam**  
*Quick Installation Guide*

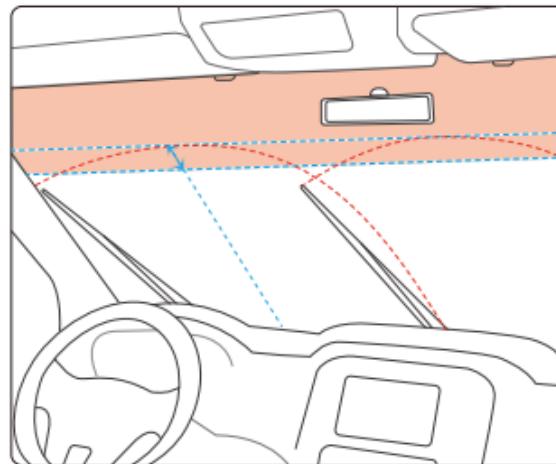
## Mounting Position Related Regulations

**Note:** The following recommendations do not constitute legal advice and should not be relied upon in lieu of consultation with your own advisors.

### For Dash Cams in US

Federal Motor Carrier Safety Administration (FMCSA) regulations permit dash cams to be installed in either of the following positions:

- From the top of the windshield to 8.5 inches below the upper edge of the area swept by the windshield wipers.

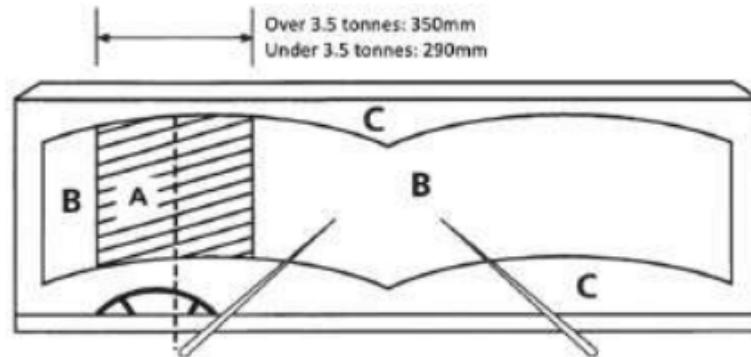


### For Dash Cams in UK

To determine camera placement options, the windscreen is divided into zones:

- Zone A: This is a vertical area 29cm wide (for vehicles over 3.5 tons is 35cm), centered on the steering wheel and contained within the swept area of the windscreen.
- Zone B is the remainder of the swept area of the windscreen.

No part of the dash cam (including the mount and wire) can intrude more than 10mm (1cm) into Zone A and more than 40mm (4cm) into Zone B.

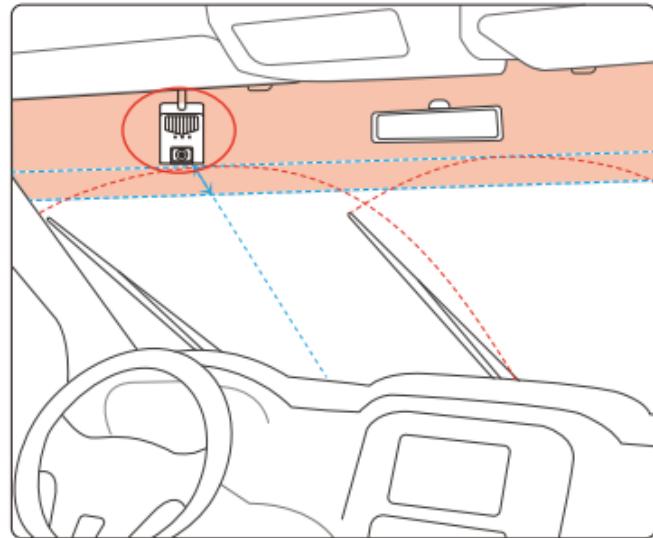


## Mounting Position Recommendations

The KY6120 is recommended to be mounted on the upper edge of the windshield directly above the steering wheel, as shown in the red circle inside the picture.

In order to drive safely and maximize the AI function, the selection of the camera mounting position needs to be based on the following principles:

- Do not block the driver's line of sight.
- Do not interfere with the driver's driving.
- The camera should be kept horizontal, not tilted.
- The driver's face should preferably be in the center of the inside camera preview (available in "Viidure" APP).
- The center point of the camera preview (available in "Viidure" APP) of the front camera should coincide with the end of the road.



Mounting Position Diagram

# Installation instruction

## Memory card installation



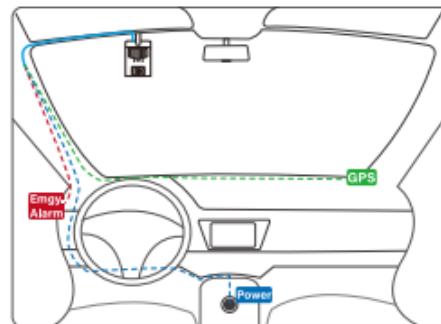
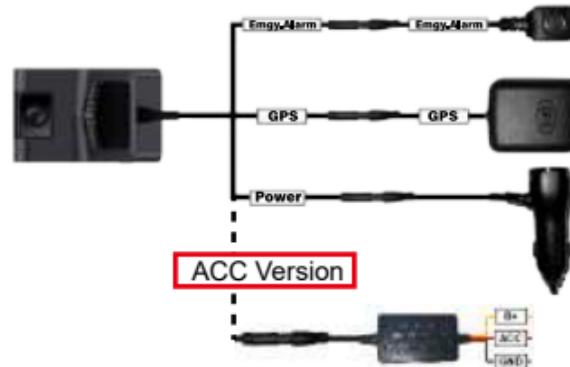
Remove the two screws and the bezel on the side of the device and insert the memory card.

## 4G Card installation



Use the provided card removal pin to eject the SIM card slot and load a nano-SIM card.

## Line connection diagram



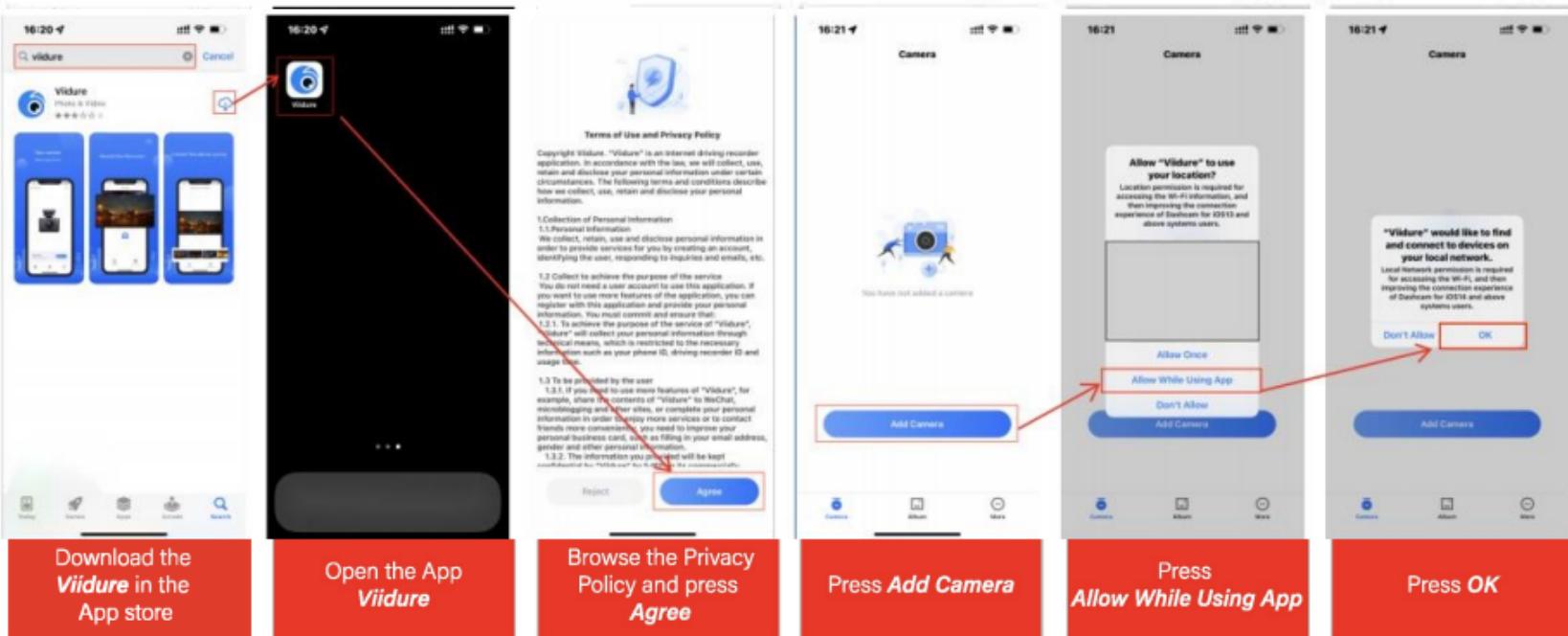
## LED Indication



LED	Color	Indication	Description
Video Recording	Red / Blue	OFF	The device is not powered on
		Blue Solid On	The device is running normally, but no video is started
		Red Solid On	Video Recording
4G Signal	Yellow	OFF	4G not Connected
		Solid On	4G Connected
GPS Signal	Green	OFF	No GPS signal
		Solid On	GPS has signal

## Viidure App installation and preparation

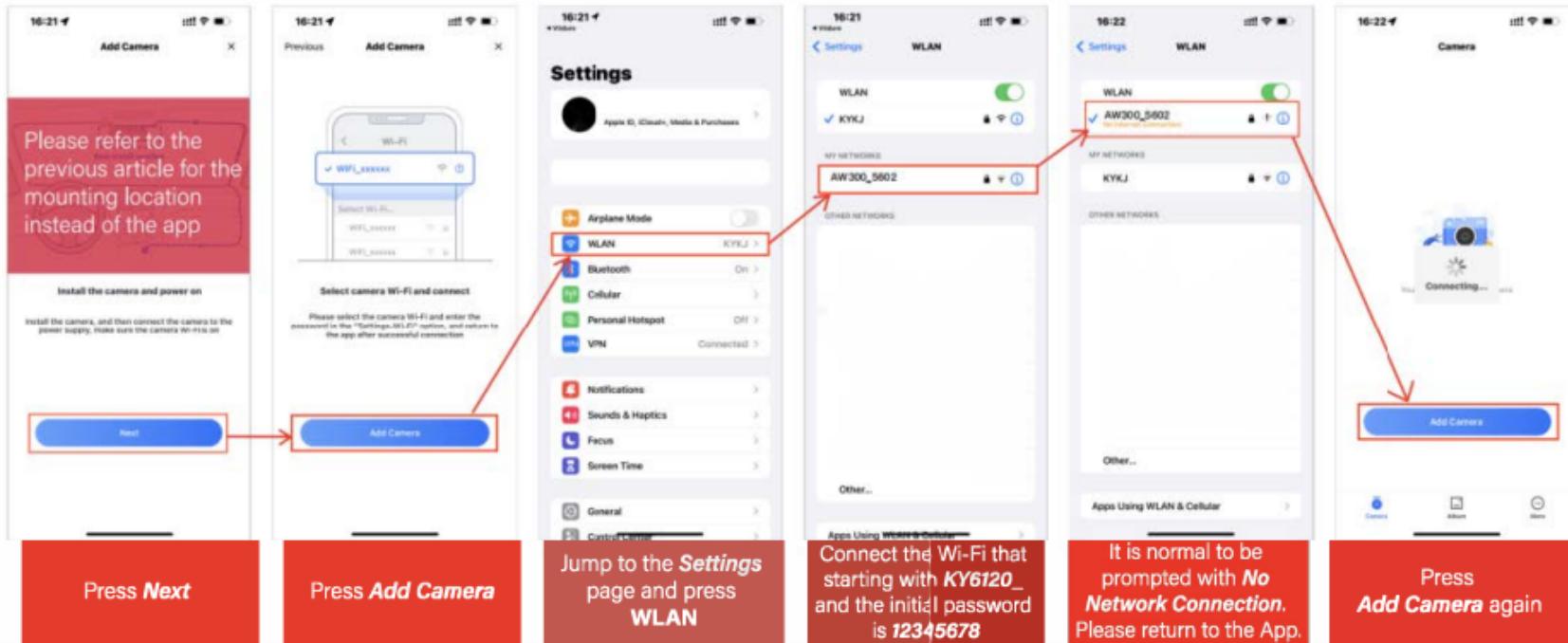
Please download and install the **Viidure** App from the App Store of your iPhone (The Android version does not currently support this device and we will be releasing a new Android version with support as soon as possible).



## Connect to KY6120 via App

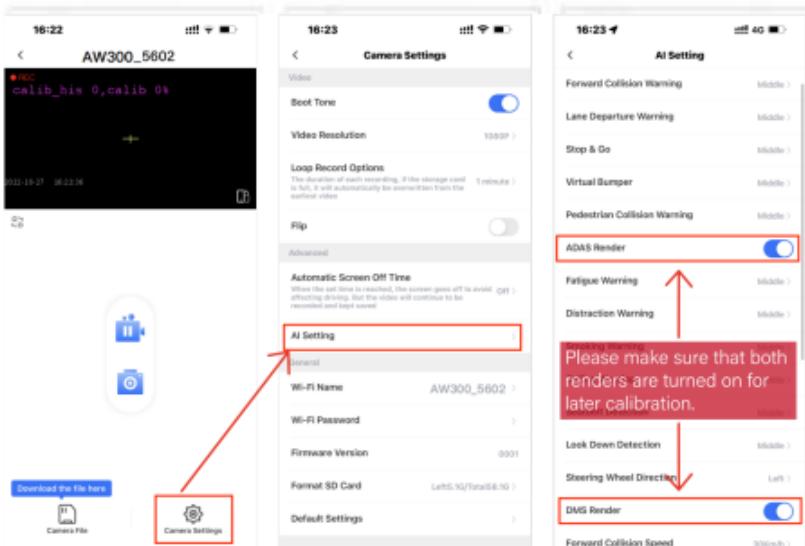
Follow the app's instructions to connect to the Wi-Fi of KY6120

**Note:** One KY6120 can only be connected to one phone at a time, otherwise an error may occur.

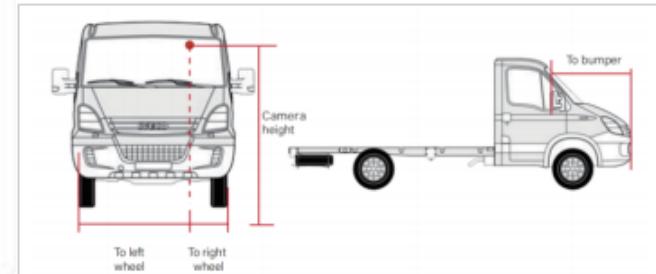
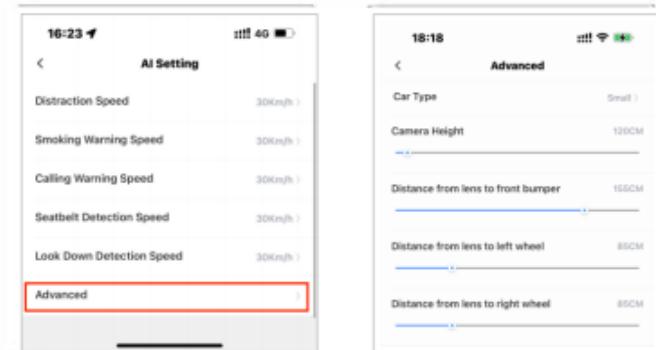


## Camera Settings - AI Settings

After connecting KY6120, press **Camera Settings - AI Settings** to make sure the **ADAS/DMS Renders** are turned on.



**Note:** If you want the calibration to be more accurate, you can fill in the parameters for the device position in the advanced settings, which are not required.

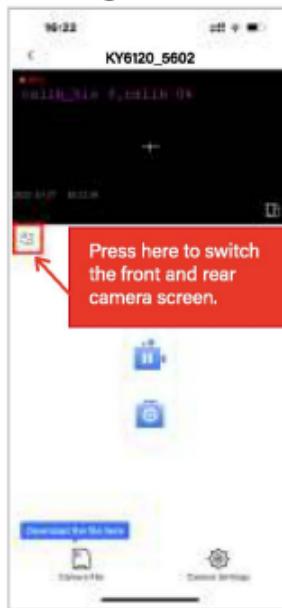


## ADAS & DMS Calibration

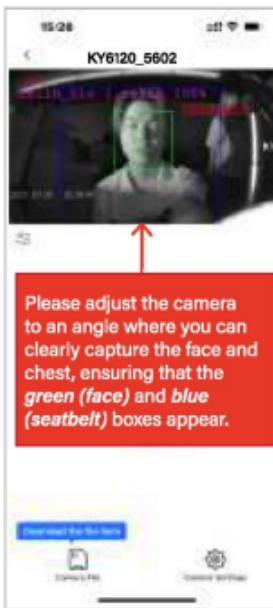
After the KY6120 is connected, the real-time shot will be sent back.

Note: Both ADAS and DMS calibration will continue only when the movement **speed >20km/h**, otherwise the calibration progress (0~100%) will pause.

### Switching cameras



### DMS Calibration



### ADAS Calibration



### Parameter explanation



- **calib\_his (0/1)** means **Calibration history**

This parameter is 0 when a device is being calibrated for the first time; after the first calibration is completed, this parameter is always 1.

- **calib (0~100%)** means **Calibration Progress**

When calib is 100%, it means the calibration is complete.

Each time the device is restarted, the calibration progress will be zeroed and the calibration will be restarted. The device will use the previous calibration result until the calibration is completed again.

The features described in this guide are subject to modifications without prior notice.

## Firmware Upgrade

### Method 1: Use APP to upgrade

1. Prepare a memory card of 16G or more.
2. Insert it into the machine and format it.
3. Put the firmware installation package "SigmasterUpgradeSD.bin" in the root directory of the memory card.
4. Insert the card with the upgrade file into the device.
5. Power the device and turn it on.
6. Connect the device with the app and tap "Camera Settings - Firmware Version".
7. Wait 1-3 minutes, the device will reboot and beep.



The following table shows the LED states when upgrading by APP. Steps 2-5 are the upgrade process, please do not power off or operate the device.

Upgrade Progress	LED State
1. Ready to upgrade	· Blue - yellow - green
2. Press "Firmware Version"	· Off - off - off
3. Start upgrade / Upgrade in progress	· Purple - yellow - green
4. Device power on and configuring	· Blue - (yellow/off) - (green/off) · Power on sound
5. Upgrade configuration finished and start recording	· Red - (yellow/off) - (green/off)

### Method 2: Forced brushing, used in the case of corrupted device firmware.

1. Prepare a memory card of 16GB - 128GB.
2. Insert it into the machine and format it.
3. Put the upgrade file in the root directory of the memory card, including "IPL", "IPL\_CUST", "UBOOT", "SigmasterUpgradeSD.bin".
4. Insert the card with the upgrade file into the device.
5. Power up the device and there is no response from the device at this point.
6. Wait 1-3 minutes for the device to power on and beep.

The following table shows the LED states when upgrading by SD card. Steps 2-4 are the upgrade process, please do not power off or operate the device.

Upgrade Progress	LED State
1. Insert SD card with the upgrade file	· Off - off - off
2. Power on the device, Start upgrade / Upgrade in progress	· Purple - yellow - green
3. Device Start up and configuring	· Blue - (yellow/off) - (green/off) · Power on sound
4. Upgrade configuration finished and start recording	· Red - (yellow/off) - (green/off)

## FCC Statement

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 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

## RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

## ISED Statement

### English

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.

The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).

### French

Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

The features described in this guide are subject to modifications without prior notice.