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VANTRUE
Falcon 1

**VANTRUE Falcon 1 4K+1080P Dual Dashcam
User Guide
Model No.: F1**

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Warm tips:

1. Please read this User Manual carefully before using the camera.
2. This product is a motorcycle-specific recorder and is limited to connecting to a 12V battery.
3. Please turn off the power of the motorcycle before installation, and turn on the power after installation is completed.
4. The Wi-Fi name is F1_VANTRUE_XXXX and the initial Wi-Fi password is 12345678.
5. It is strictly forbidden to use high-pressure water gun to flush the machine to avoid water in the body.
6. This product supports up to 512GB SD card storage. To ensure normal video recording, please use Class 10/U3 and above standard high-speed cards.
7. The F1 front and rear cameras are fully sealed and waterproof, but you still need to avoid using solvents such as grease, alcohol and tar cleaner to contact the lens to avoid damaging the waterproof layer.
   Note: For normal storage of video files, please format the SD card regularly.

1. Installation Guide

1.1 Inserting a Memory Card (Recommended: Vantrue U3 high-speed microSD card).

After inserting the SD card for the first time, please press and hold the remote control record button for 10 seconds to start formatting the card.

Use the matching screwdriver to remove the slot sealing cover
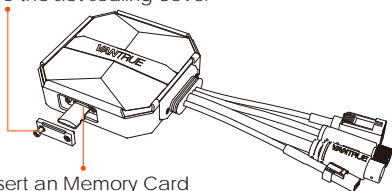
Insert an Memory Card

Note:
After removing the cover of the SD card slot, put the screw in place to avoid losing it.

1.2 Installing the Dash Cam Main Unit

Please install the main unit a location without metal cover, such as under the seat, determine the location and tear off the 3M adhesive to fix it.

Note:

<1>The Wi-Fi signal transmitting part is on the front

of the main unit. Please do not install it facing down when installing the logo side of the main unit or under the metal parts of the motorcycle.
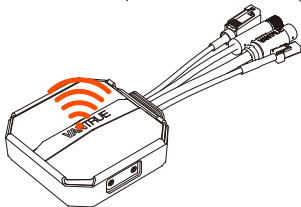
<2>. F1 dash cam main unit needs to be fixed with 3M adhesive (shipped as standard). Please fix the 3M adhesive in the recess of the F1 main body protective case and then paste it to the motorcycle.
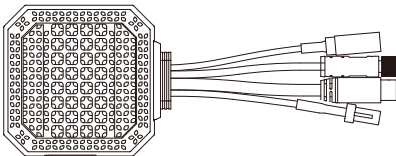
<3>. In order to improve the cooling efficiency of F1 mainframe, you can remove the protective case before installation.

<4>. If installed on the curved surface, we recommend using cable ties for fixing.

1.3 Installing the remote control

You can choose a suitable installation position according to your own usage habits and install the remote control on the handlebars, the front part of the car, the side of the fuel tank, etc.

Note :

<1>. When installing the motorcycle dash camera, you need to face up the button side to avoid affecting the GPS signal reception.

<2>. Please do not use 3M adhesive to cover the speaker hole on the back of the remote control in order to increase the stability of the remote control.

Speaker hole
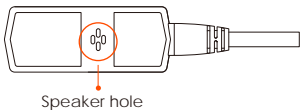
<3>. The side is the microphone receiving hole, please do not put the receiving hole directly in front to avoid serious wind noise.

REMINDER:
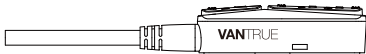
1.4 Installing the Power Cord

Connect the power cord to the fuse box as follows.
Step 1: the red power cable is connected to the positive terminal of the battery.
Step 2: the ACC signal wire (yellow wire) is connected to the ACC power fuse of the battery.
Step 3: The black ground wire is connected to the negative terminal of the battery or the override position.
Step 4: start the motorcycle power supply and wait for the device to start.
Step 5: After confirming that the power supply is properly installed, use the cable ties to organize the storage lines and secure them to the motorcycle.

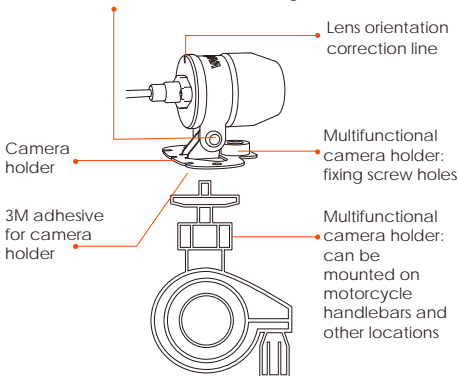Select the location in the fuse box where the fuse can be accessed.

Note:
<1>. Before installation and wiring, you need to turn off the motorcycle and turn off the motorcycle power to avoid short circuit during the operation.
<2>. For driving safety, please avoid leaving too long power cables exposed. If necessary, please use insulating tape to wrap and fix them.

1.5 Installing the Front and Rear camera

The front and rear cameras can be loosened by the hexagonal screw to adjust the lens recording angle, as well as the recording direction.

Camera mount holder head cap screws: loosened, you can adjust the camera angle up and down, can be inverted, side-mounted rotation to adjust the direction of the camera recording.

Lens orientation correction line

Camera holder

Multifunctional camera holder: fixing screw holes

3M adhesive for camera holder

Multifunctional camera holder: can be mounted on motorcycle handlebars and other locations

Note:
<1>. If the front camera is mounted on the handlebar position, you need to fix the front camera to the multifunctional camera holder first, and then fix the holder on the motorcycle handlebar.
<2>. The front/rear cameras comes with 3M adhesive, just stick it in the front/rear of the motorcycle after choosing the right position.

(We recommend mounting the front and rear cameras on the motorcycle body instead of the handlebars to reduce camera shake and improve the stability of the video)

<3>. The line of the camera is a high frequency data line. Please do not bend the cable 180 degrees backwards, as it may cause damage to the cable. We recommend using a circular way to tie the wire fixed.

<4>. Due to different installation positions, the front/rear lens may appear backwards, you can adjust the lens according to the direction of the lens correction line.
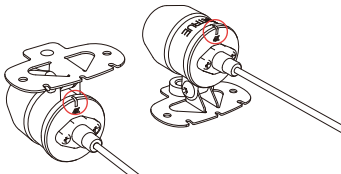
<5>. When adjusting the direction of the camera recording, you can use the App real-time preview function to accurately adjust to the appropriate recording effect.

After the lens is installed, you can enter the VANTRUE App real-time preview to correct the lens orientation. After entering the live preview, click on the word 田 calibration line at the bottom left of the screen to confirm the lens direction.

2. Structure Diagram
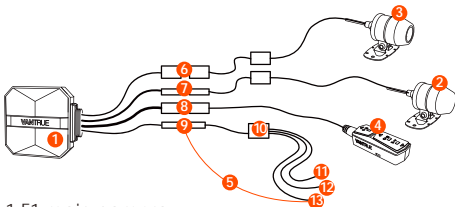
1. F1 main camera
2. 4K front camera
3. 1080P Rear Camera
4. Remote control
5. Power cord
6. Rear camera port
7. Front camera port
8. Connect the remote control
9. Connect the power cord
10. Fuse

11. Red power cable (positive power supply)
12. ACC signal wire (yellow wire)
13. Black ground wire (power negative)
14. Protective housing

Note:

When connecting the front camera cable, until you hear the "click" sound, indicating that the cable buckle has been installed in place. You can use a screwdriver to lift the end of the snap to make the snap easier to snap into the slot.

3. Basic operation (App operation/remote control operation)

Remote control button function introduction

<1>.Power/Emergency button ⏻ ⚠
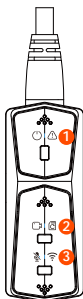Long press function: Power off
Short press function: Power on; After power on, short press to lock the file, and short press again when locking the file to capture the picture.

<2>.Recording button ▭ 🔒
Long press function: After power on, long press for 10 seconds to format SD card.
Short press function: During recording, short press to pause recording; during standby, short press to start recording.

<3>.Microphone button 🎤 📶

Long press function: After power on, long press to turn on/off Wi-Fi.

Short press function: Short press to turn on/off the microphone; short press 5 times or more continuously to restore the default factory settings.

LED Indicator

Power Light(Red Light)

Status	
Steady Light	Normal power supply
Blinking Light	Fast flashing, emergency recording
OFF	Power off

Recording light(Green Light)

Status	
Steady Light	Standby; in emergency recording.
Blinking Light	Fast flash: In formatting the card. Slow Flash: In Recording

Microphone light(Blue Light)

Status	
Steady Light	Audio On
Off	Audio Off
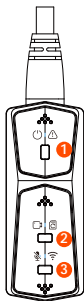
In parking mode, the indicator status is as follows.

Parking Mode Type	Red light + Green light + Blue light: Flashing at the same time, in the recording

Collision Detection	Red light + Green light + Blue light: Off at the same time, in standby

App Operation
App Download

Scan the QR code below to download the latest App from Google Play and App Store. Or you can search "Vantrue" on Google Play and App Store to download it.

First time connection steps.
<1>. Power on the motorcycle dashcam, the F1 will open 5G Wi-Fi by default, and there will be "Wi-Fi on" prompt after power on.
<2>. Open Vantrue App, click "+" to add the device, the App will jump to the cell phone Wi-Fi settings interface, please find the F1_VAN-TRUE_XXXX name Wi-Fi in the Wi-Fi settings interface, enter the default password 12345678, wait for the Wi-Fi connection success, and then return to App.

Add Device

Album Connect Store About

VANTRUE

1. Please turn on your mobile wireless area network (Wi-Fi), keep your phone within 2 meters of the recorder, and connect the recorder Wi-Fi SSID (such as X4S_VANTRUE_XXXX).

2. The default password of the dash cam Wi-Fi (12345678)

Get Start

9:41

wifi004
wifi005
wifi006
wifi007
wifi008
wifi009
wifi010
E1 Lite_VANTRUE_0001

Please turn on the Wi-Fi function of the camera and keep the phone within 6.6ft of the camera. Please turn on the Wi-Fi function of the camera and keep the phone within 6.6ft of the camera.

Get Start

9:41

Enter the password for "F1 VANTRUE_0001"

Password: 12345678

Connect the dash cam Wi-Fi (example: X4S_VANTRUE_XXXX) (Initial password: 12345678)

Get Start

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Note:

1. For Wi-Fi connection operation, please refer to Figure 1~4.

2. After the first successful connection, when you turn on F1 again in the future, you can connect automatically by clicking the App. If you turn off the function that Wi-Fi starts when you turn on the motorcycle dashcam, you need to manually turn on Wi-Fi to connect. If you forget the password, you can press the microphone button 5 times or more to restore the factory settings and restore to the initial password 12345678.

App Operation

Camera Settings

Mileage statistics

Lens correction auxiliary line

Full-screen Icon

Microphone ON/OFF

Stop Recording Icon

Front and Rear Display Switch

Snapshot

Album
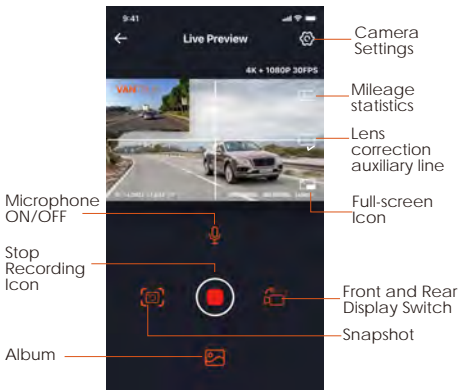
You can view live preview of driving screen, change settings, play files, view video GPS track, share files, view mileage statistics analysis and other functions through the App.

Note:

<1>. The mileage statistics analysis function is based on the recording file in the current F1 SD card, but if the card is formatted, or the recording file does not have GPS information, the mileage statistics analysis will not be possible.

<2>. Camera calibration line is used to adjust the camera recording direction. When installing the front and rear lens of the car, you can use this function.

App setting menu

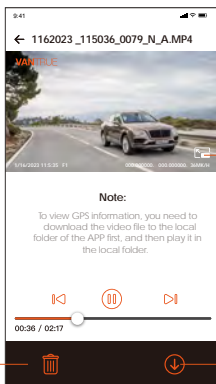| Menu Options	
Sync phone time	Sync phone time is turned on by default, you can sync phone time to F1 dashcam.
Language	English, French, Spanish, German, Italian, Simplified Chinese, Russian, Japanese, Korean can be set, and the default language is English.
Wi-Fi	This setting contains Wi-Fi On Start, Wi-Fi Auto Off, Wi-Fi Mode, Wi-Fi Information. Wi-Fi on start: default on, need to open manually after closing Wi-Fi auto shutdown: always on by default, can choose 5 minutes or 10 minutes to shut down Wi-Fi mode: open 5G Wi-Fi by default, can switch to 2.4G Wi-Fi Wi-Fi information: check Wi-Fi name and Wi-Fi password
Resolution	There are two resolution modes to choose from, front+back and front resolution. Front+back default is resolution 2160P+1080P(HDR) 30FPS

	Front of the car default is the resolution 3840x2160P 30FPS
Video 2-in-1	Off by default. When turned on, you can integrate the front and rear camera recording video into one segment.
Loop Recording	The default is 1 minute, other options can be selected. When the SD card file storage is full, it will overwrite the loops automatically.
Voice Prompt	Default is on
G-sensor	Crash Sensitivity Lock the sensitivity of the recording, the default level is 3, you can adjust the front and back, left and right, up and down different directions of the collision sensitivity level respectively.
Exposure	The default is +0.0, you can increase the exposure value or reduce the exposure value as needed
Indicator light	Indicator light is on by default
WDR	Default is on
Rear camera mirroring	The default is on, the car behind the display screen for the mirror image, off the display screen for the original image.
License plate number setting	Support license plate setting in Chinese, English and Japanese
Tag Stamp	Default is to display date and time tag, make and model tag, license plate tag, speed tag, GPS location tag

Time-lapse recording	Default is off, you can choose 1FPS, 5FPS, 10FPS, 15FPS frame rate to start time-lapse recording
Parking Mode	The default is off. When turned on, it is collision detection mode. It needs to be connected with ACC function before it can be used.
Low-light Night Vision in Parking Mode	The default is on. When turned on, it takes effect when entering parking mode
Battery low voltage protection	Battery low voltage protection In this interface, you can check the current voltage of the motorcycle battery, in addition, under this function, you can set low voltage protection
GPS settings	Open by default, you can change the speed unit and view the GPS signal strength
Wi-Fi connection password	Wi-Fi initial password is 12345678, you can change it to other password
Formatting	Format SD card
GPS settings	GPS auto time update is on by default. After turning off, you can manually change the time and date
Date/time	Date format default YY/MM/ DD
Volume	Adjust the volume level of the speaker at the remote control
Beep	Turn on all tones by default, respectively, switch on/off sound, key tone, lock tone, format reminder tone, abnormal stop recording reminder

Frequency	50Hz/60Hz
Certificated Info	View all F1 certification information
System information	Restore the default factory settings, after restoring, Wi-Fi password will also be restored to the initial password

Playback, delete and download files in App

Enter the file browse in App, you can view the daily recording files, play back, delete, download to local save.

Click on it to play the file in landscape.

Note:
To view GPS information, you need to download the video file to the local folder of the APP first, and then play it in the local folder.

Click to delete the file

Click to download the file

Note:
<1>. No data traffic consumption is generated for playback and downloading files within the App.

<2>. You need to download the video to local to view the GPS track information. After the video is downloaded successfully, if the GPS track information is not displayed, please disconnect the Wi-Fi connection and refresh it to display the GPS track information on the map.

App share files

Already downloaded files can be shared to social media by editing within the App.

Video sharing length in the range of 5-30s

Video sharing can be done with or without sound

Shared video file size

Confirm the video editing, after successful editing, the shareable social media apps will pop up automatically

Note:
Data traffic is required for sharing, so you need to disconnect the Wi-Fi connection with F1.
(Required for some Android users)

OTA Upgrade

F1 main camera upgrade supports OTA upgrade in App. There are two types of OTA upgrade pushes:

<1>. After opening the App, an upgrade prompt will pop up.

<2>. In the "About" screen, click OTA update to check for updates.

When the upgrade file is detected in the above 2 ways, click OK, it will enter the upgrade screen, click "Download". Once the download is complete, install the dashcam immediately.

Note:

<1>. If the upgrade fails, please check whether the Wi-Fi connection is normal. During the upgrade, please do not disconnect the Wi-Fi, and make sure the recorder host is powered on properly.

<2>. If the OTA upgrade has been failed, you can use SD card upgrade, remove the SD card, copy the upgrade software into the SD card, then insert the SD card into the host computer, and then power on the upgrade.
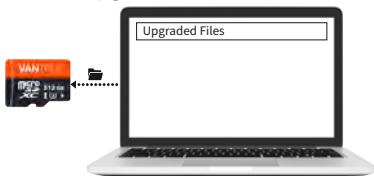
4. Troubleshooting

Tip: The system supports a maximum of 512G SD card storage, in order to ensure normal video, we recommend the use of genuine storage cards. As the recording system keeps reading and writing data, you must use a high-speed card that reaches the standard of Class10 and U3 or above. Also, do not plug and unplug the SD card when the system is on, so as not to cause damage to the SD card.

<1>. The motorcycle does not turn on after starting: Please check if the line connection is normal.

<2>. Press the power on but the dashcam can't power on: Please check whether the line connection is normal.

<3>. The dashcam can not record / can not take pictures / can not lock the video: Please check whether to insert the SD card or need to format the SD card; SD card format if the problem still exists, please re-insert the SD card or replace the new card to solve.

<4>. The front or rear camera screen is not displayed: Please check whether the camera cable is connected properly.

<5>. Video becomes blurred: Please check if there is dust on the lens. If there is, please wipe the lens.

<6>. No sound in the video: Please check if the microphone is off.

<7>. Many videos are incorrectly locked during normal driving: Please adjust the G-sensor sensitivity. Default is 3. Please adjust to 1.

<8>. When a motorcycle collision occurs the video file is not locked: Please check whether the sensitivity adjustment of G-sensor is above 1st gear. If the crash sensitivity is higher than 1 stop, please

further adjust the sensitivity level of the G-sensor higher.

Please also note that if time lapse mode is turned on, the video cannot be locked and only pictures can be taken.

<9>. Wi-Fi does not connect properly.: Please check whether Wi-Fi is turned on. When Wi-Fi is turned on, the Wi-Fi of your phone will show the F1 Wi-Fi name F1_ VANTRUE_XXXX (initial password is 12345678).

<10>. If there is an abnormal phenomenon such as a dead machine, please restart the power.

<11>. The App shows and recorded video appears to have streaked EMI or purple EMI.

1) Please check the motorcycle spark plug type. Please use R-rated resistive spark plugs.

2) Check the camera alignment and cable ties for problems. When you run the wires, please run the wires smoothly and do not fold them. Please don't tie the wire too tightly or squeeze it too tightly with the shell when you tie it.

5. Specifications

The specifications of this product may change without prior notice due to product improvements.

Model	F1
Chips	Novatek high-performance processor
Image Sensor	Front Camera: Sony 8MP CMOS Sensor Rear Camera: Sony 2MP CMOS Sensor
G-sensor	Built-in Sensor
Camera Angle	Front: 160°wide viewing angle; Rear: 145° wide viewing angle
Aperture	Front: F/1. 8 wide aperture Rear: F/1. 8 wide aperture
Languages	Engish/Français/Español/Deutsch/Italiano/简体中文/русский/ 日本語/Polski
Video Resolution	Front + Rear recording mode: 2160P+1080P(HDR) 30FPS; 1440P+1080P(HDR) 30FPS; 1080P+1080P(HDR) 30FPS; 720P+720P(HDR)30FPS; 2160P+1080P 30FPS; 1440P+1080P 30FPS; 1080P+1080P 30FPS 720P+720P 30FPS Single front recording mode: 3840x2160P 30FPS 2560x1440P 30FPS 1920x1080P 30FPS 1280x720P 30FPS
Video File Format	MP4

Picture Format	JPEG
Memory Storage	External: 32GB-512GB Micro SD Card, U3, Class 10(not included in the package)
Waterproof	IP67
Power Source	Built-in super capacitor
Power Supply	12V, 2A
Wi-Fi	Support
GPS	Yes
Working Temperature	-4°F to 140°F(-20°C to 60°C)
Storage Temperature	-13°F to 158°F(-25°C to 70°C)

6. Warranty & Support

Warranty

The VANTRUE® F1 Dash Cam comes with a full 12 months warranty. If you register your product on our official site (www.vantrue.net/register), you can extend the warranty to 18 months.

Support new

If you have any questions regarding your product, please do not hesitate to contact us at support@vantrue.net, or drop us a message through the live chat box at www.vantrue.net.

Queries are typically answered within 12-24hours.

Your opinion matters

VANTRUE® is firmly committed to always improving our products, services, and user experience. If you have any thoughts on how we can do even better, we welcome your constructive feedback and suggestions. Connect with us today at support@vantrue.net.

FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

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 complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (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: Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradi oélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

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.

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

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

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

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

L'appareil destiné à fonctionner dans la bande 5150-5250 MHz est uniquement destiné à une utilisation en intérieur afin de réduire le potentiel d'interférences nuisibles aux systèmes mobiles par satellite cocanaux.