DC400 4K Dash Cam

USER MANUAL

CONTACT US

If you have any questions or problems, please feel free to contact us, we will offer prompt and authoritative reply within 24 hours.
Email:VANBAR-Service@outlook.com

PRODUCT OVERVIEW

This product is a leading Ultra HD Digital Vehicle Recorder. Equipped with UHD 4K@30fps with NOVATEK NT-966700 processor + SONY IMX335 Sensor for excellent low light sensitivity and high dynamic range which allows you to record continuous high-quality video playbacks and brings phenomenal 4K UHD resolution videos even at night without the need for infrared sensors. It has superior night vision technology which captures superb video under all low-light conditions. It has advanced built-in Wi-Fi, GPS, G-Sensor, Audio recording, Loop recording, Motion detection, Parking mode, 24-HR Parking Mode and USB output.

Important Notice

• This car camera is intended for use in motor vehicle only. Do not install the camera where it might block the driver's view of road (including the mirrors) or the deployment of the air bags.

• Before using this device, please insert the memory card first, and need to format micro SD card to FAT32 format on PC firstly then format the memory card in camera menu.

• This camera records video at high resolution. Recommend use high speed Class 10, U3 Speed Micro SD Card or above is recommended. Max Support 258GB Micro SD Card.

• Be sure the camera lens is dean and there is nothing blocking the lens.

• DO NOT leave the camera in direct sunlight for a long period of time or where the temperature could go above 140°F(60°C).Make sure you are using the original included power adapter to power the unit.

Warm Tips:

1. Ideally, the Micro SD card should be formatted monthly to maximize the lifetime of the memory card.

2. Please do not remove the card while the camera is recording to prevent data loss/corruption.

3. This camera features built-in battery as internal power, it's used only for emergency recording and saving settings after external power supply cuts off (car turns off). This dash camera will not turn on without external power supply. Please keep the car charger plug in always.

VANBAR Dash Cam

Car Charger

GPS Module

360° Rotational
Suction Mount

USB Cable

Manual

wipe

Pin

1. Screen
2. Inside Camera
3. Inside Camera Angle
   Rotation Button
4. IR LEDs
5. Microphone
6. Front Camera

7. Set Buttons
8. Wifi/Menu Button
9. Reset
10. Mount Connector Slot
11. GPS
12. Mini USB Power Port
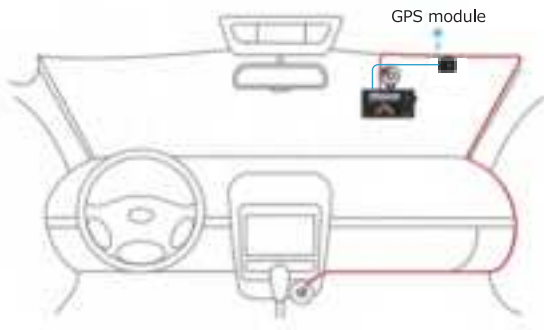13. Memory Card Slot

SHORTCUTS & UNDERSTANDING BUTTONS

BUTTON IMAGE	SHORTCUTS / FUNCTIONS
🎥/📷	In the video recording mode:short press to start/stop video recording.long press to enter the photo mode.
	In the photo mode:short press to take a snapshot. long press to enter video recording mode.
⇌	Short press to switch the view mode quickly from either the full-screen display of front/inside view or picture-in-picture display from both cameras.
	Long press to turn on/off the camera.
⚙/📶	Short press to enter the video/photo settings interface and system settings interface.
	Long press to turn on/ off WIFI
VGA	Press to switch photo resolution
🎤	Press to turn on/off the video audio.
▶	Press to enter the playback mode

INSTALLATION

1. Attach the suction cup mount to the camera's mount connector, pushing it in until it clicked.
2. Clean the car windshield.
3. Attach the suction cup mount to the windshield, then rotate the locking clamp on the suction cup 90° upward until it clicks. Make sure there is no air inside the suction cup, last rotate to fix the bracket.
4. Adjust the viewing angle of the dash cam to get a good view.
5. Connect the car charger to the car cigarette lighter, then insert the USB end of the charger into the USB power port of the dash camera, please refer to the below picture. (Charger input: DC 12-24V, Output DC 5V 2A)

6. Stick the GPS module on the upper edge of the windshield and insert the plug into the GPS port of the dash camera.

GPS module

7. Start the car, the power cord car charger red indicator will light up. The dash cam will auto power on and start recording.
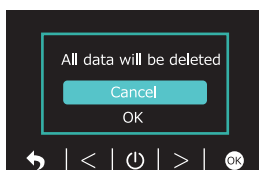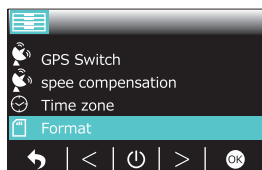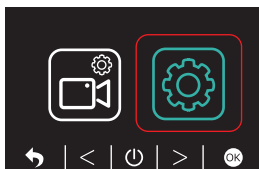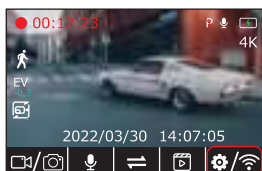
Note:

① After powering on the dash cam through the car charger, the dash cam will automatically turn on and start recording (if the card has been inserted).To change settings, please firstly stop recording.
② The built-in battery is only used to power the "parking monitor" function. In normal use, please plug the car charger into the cigarette lighter of the car to power the dash cam. The built-in battery is not recommended as a normal power supply for the dash cam. This is to avoid parking monitoring failure caused by running out of battery while the car is parked.
③ The 24H parking monitor function need hardwire kit.

FORMAT MEMORY CARD

To record normally, please format the memory card before using.

Every time you insert the memory card, please format it in the camera to ensurethat the micro SD card is compatible with the camera.

Enter the setup setting, press (▼) to choose "Format", press (OK) to enter the memory card option, pressor (▲) to (▼) choose "Cancel" or "OK", press (OK) to confirm and exit.
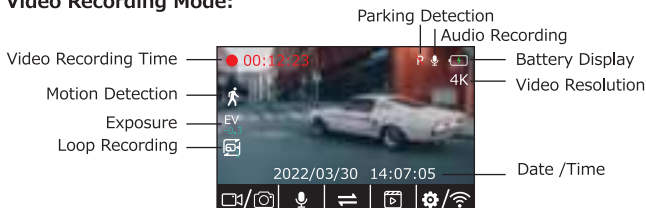

OPERATING MODE

VANBAR DC400 Dash Cam has 3 different camera modes:

1.Video Recording Mode 2. Photo Mode 3.Playback Mode

Video Recording Mode:

Video Recording Time

Motion Detection

Exposure

Loop Recording

Parking Detection

Audio Recording

Battery Display
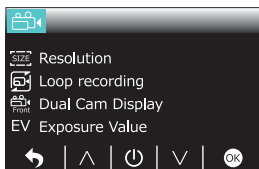
Video Resolution

Date /Time

• short press (⌗/◎) to start/stop video recording manually, long press to enter photo mode.
•Press (🎙) to turn on/off audio recording
•short press (⇌) to switch the view mode quickly from either the full-screen display of front/inside view or picture-in-picture display from both cameras. Long press to turn on/off the camera.
•Press (▣) to enter the playback mode.
•short press (⚙/奈) to enter the video setting. Long press to turn on WIFI.

Video recording menu

Press to enter (⚙/奈) the video setting menu and set the value according your needs.

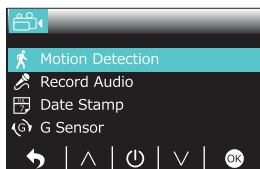**Resolution:** By default (dual camera recording mode) 4K, 4K+1080P, 2K+1080P
You can choose the video resolution you like. Higher resolution videos will take more storage space.

Loop Recording: Off, 1 Minute, 3 Minutes, 5 Minutes
This function allows you to set video file length to 1/3/5 minutes per video clip. Select a value to activate loop recording, so when storage fills up, it will automatically loop back to the earliest file and record over it.

Dual Cam Display: Front, Rear, Front/Rear

Exposure Value : Adjustable exposure value, used to change the image brightness, Default is 0

Motion Detection: This function allows the camera to start recording when it detects movement. Default setting is Off.
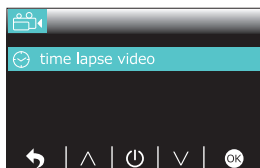
Record Audio: Off,On

Date Stamp: Off,On

G Sensor(Emergency recording): Critical event detection is triggered by the Gravity Sensor and will auto-detect vehicle impacts and collisions. This will cause the camera to protect the current video clip from being overwritten by locking it and saving the footage in the "Video /EMR" folder, and cannot be automatically overwritten. It will need you delete them manually. The gravity sensitivity is adjustable with 4 settings: Off /Low /Medium /High. It is set to medium by default. The gravity sensing can also be deactivated in video setup
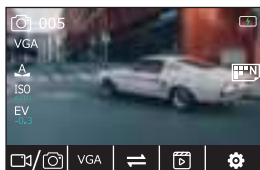
Warm tips:
EMR folder has accumulated 30% of the card capacity. Please regularly transfer and save important videos to your computer or another storage location like external hard drive. To maintain good read/write performance, the micro SD card should be formatted every 1 or 2 weeks.

time lapse video: Off, 24 times,72 times,120 times.

Photo Mode

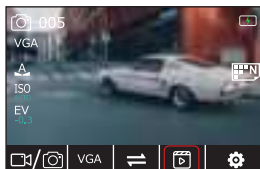Long press (🎥/📷) to enter the photo mode.

While in the photo mode:
• short press (🎥/📷) take a snapshot, long press to enter video recording mode
• Press (**VGA**) to switch photo resolution.
• short press (⇄) to switch the view mode quickly from either the full-screen display of front/inside view or picture-in-picture display from both cameras. Long press to turn on/off the camera.
• Press (📺) to enter the playback mode.
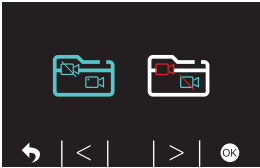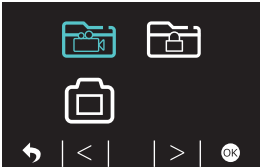• short press (⚙) to enter the photo setting.

Playback Mode:

1. Playing back videos or photos on dash camera
You can choose to playback unlocked files, locked files. You can also choose thefront camera and the inside camera. Press (📺) to playback the videos or photoswhich are stored on the card.

Playing back Unlocked Videos

① After entering the playback interface, press (📷) to choose the folder of unlockedvideos , then press (OK) .

② Press (◀ ▶) to choose the folder of the front camera (📷) or inside camera (📷) video, then press (OK) .

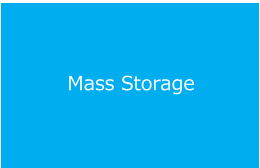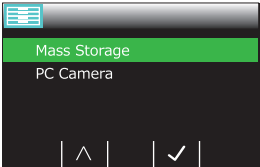③ Press (◀◀ / ▶▶) to choose the video you want to play, then press (▶) to play.

Playing back Locked Videos

① After entering the playback interface, press (📷) to choose the folder of locked videos , then press (OK) .

② Press (◀ ▶) to choose the folder of the front camera (📷) or inside camera (📷) video, then press (OK) .

③ Press (◀◀ / ▶▶) to choose the video you want to play, then press (▶) to play.

2. Playing back Videos on Your Computer

Downloading Videos from the memory Card

Option 1: Connect the dash cam to your computer's USB port via the USB cable.Choose "Mass Storage" on the screen of the dash cam, press (✓) . "Mass Storage" will display on the screen of the dash cam, then you can copy the videos from the memory card.

Mass Storage
PC Camera

∧   ✓

Mass Storage

Option 2: Take out the card from the dash cam, insert the card into a card reader,and then insert the card reader into a USB port of the computer. You can now access videos on the card.

Playing Videos on a Computer

Copy the following link to any browser to download the GPS player, and then you can play videos from the memory card.

http://www.sunningsoft.com/en/pcgps.html

DOWNLOAD THE APP

Download the **"RoadCam"** app on the App Store or Google Play.

Or scan the QC code

Roadcam

CONNECT WITH THE APP

1. Long press the WIFI (⚙/📶) button on the camera to turn on the WIFI, the corresponding information of WIFI will appear.

Note: WiFiiis on,please connect

SSID:DVR043926a3f331

PWD:12345678

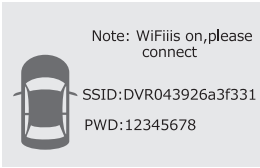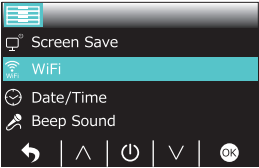2. Open your smartphone's Wifi settings and connect to the Wifi name that's shown on the dash cam. Enter the password and confirm the Wifi network.
3. Open the "RoadCam" app, tap(🔘)to connect the camera and wait a few seconds to enter the preview interface.
4. After connecting the camera, you can tap the video or photo icon to control the dash cam recording videos or shooting photos.

Change Recording Settings

You can change recording settings in the app.

SETTINGS MENUE

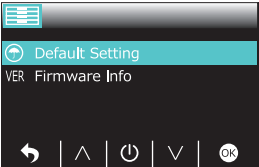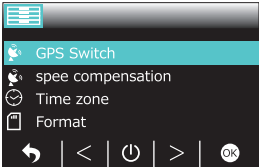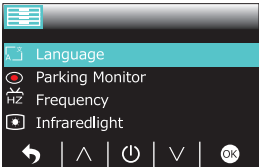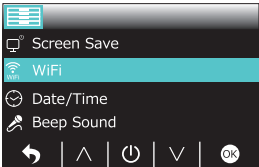Press (⚙/📶) to enter the menu and choose (⚙) to enter the system menu.

Screen Save: Off, 15 Sec,30 Sec, 1 Minute

WIFI: Off/On

Date/Time: YY/MM/DD

Beep Sound: Off/On

Language: Set the language

Parking Monitor: Off, On, 8H, 12H, 24H

Frequency: 50Hz,60Hz

Infrared light: Color Automatic,Black&White Automatic

GPS Switch: Off/On

Speed Compensation: -3,-2,-1,0,+1,+2,+3

Time Zone: Select the information according your needs.

Format: Format the card on the dash cam

Default setting: Restore the original settings.

Firmware Info: Check the camera's firmware version

Notice:

Parking monitor: Default is Off. Press down followed by OK to toggle it Off/On. In Parking Mode, with this function on, after you stop the car and the camera powers off, it will stay in standby, when camera detects shocking, it will automatically turn on and take a short video and locked it, then shut down automatically. The sensor sensitivity can be adjusted to Low /Medium/ High in gravity sensing option to set.

Warm tips:

To ensure the camera is able to function in parking mode, please use hard wire kit install it directly to the car battery.

Specification

Name	VANBAR Dash Cam	Model	DC400
Chipset / Sensor	NOVATEK 96670 / SONY IMX335	LCD Screen	2.35 inch
Video Resolutionr	4K(3840×2160/30FPS) 4K(3840×2160/30FPS)+1080P 2K(2048×1080) +1080P	Lens Angle	170°(F) +140°(R)
Photo Resolution	VGA, 1.3M, 2MHD, 3M, 5M, 8M, 10M, 12M	WIFI	Built-in
GPS	External GPS Module	Photo / Video Format	JPG / TS
Memory Card	TF Card Class 10, U3 Speed, Max Support 258GB	G-Sensor	Built-in
Lens Aperturer	F1.8	Parking Monitor	Built-in
Loop Recording	1 / 3 / 5 Minute /off	Motion Detection	support

TROUBLESHOOTING

Q: The image is blurry.
A: The windshield will reflect the light, please adjust the camera's viewing angle.

Q: The camera suddenly turns off.
A: Make sure it is properly connected to the car charger.

Q: The camera unable to be turned on.
A: Please make sure that the charging indicator is on. If off, please re-insert the car charger and reset the camera.

Q: All buttons are not responding.
A: Please reset the camera to restart.

Q: The camera doesn't record automatically after turning on.
A: 1. Check if the memory card is full.
 2. Reformat the memory card. If this does not work, insert a new class 10 or above memory card.

Q: No sound on the video.
A: Please ensure the voice icon is (🎤) when recording, if it is (🎤) , please turn on it to.

Q: The computer does not recognize the camera.
A: Try connecting via a different USB cable.

Q: The camera keeps turning on and off automatically.
A: Please charge the camera via the included car charger, do not charge via other power adapters.

FCC Warning

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

Radiation Exposure Statement

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.