



Dual Channel Dash Cam

ZEB **DC4020**



User Manual

www.zebronics.com



Dear Customer,

Thank you for purchasing **ZEB-DC4020** Dash Cam. Please read this user manual carefully before operation & save this user manual for further reference.

Note:

- Avoid using this product in high-temperature and high-humidity environments.
- Avoid self-disassembly of the product, as it will result in voiding the product's warranty.
- To know more about the terms and conditions of the warranty policy, please visit:

<https://zebronics.com/pages/warranty-policy>

Features:

- Dual-Channel Dash Cam
- Emergency Event Recording
- 3K Resolution* Front Camera + FHD 1080p Rear Camera
- Wide-Angle Lens
- Smart ADAS
- Wi-Fi Connect
- APP Support ZEB - AutoShield
- Voice Command Support
- Loop Recording
- Parking Monitor**
- 2.4cm (0.96) Display
- Built-in G-Sensor

Specifications:

Front Dash Camera

Resolution	: 3K* (3200 x 1800p)
Angle of View	: D115°/H96°/V50°
Image sensor	: 1/3.0
Lens	: 3.35mm
Max Aperture	: f/2.0

Rear Dash Camera

Resolution	: 1080p (1920 x 1080p)
Angle of View	: D124°/H102°/V53°
Image sensor	: 1/2.8
Lens	: 2.9mm
Max Aperture	: f/2.0

Display

Screen Size	: 2.4 cm (0.96)
Display Type	: IPS LCD

Video & Photo

Video Format	: MP4
Video Resolution	: 1CH 3200 x1800 30FPS 1CH 2560 x 1440 30FPS 1CH 1920 x 1080 30FPS 2CH 2560 x 1440 30FPS + 1920 x 1080 25FPS 2CH 1920 x 1080 30FPS + 1920 x 1080 25FPS

Photo Format : JPG
Video Compression : H.265

Functions

Smart Features : Voice Prompt, Time Lapse**, GPS Tracking, Parking Mode**, G-Sensor, Collision Detection

Record Type : Loop Recording, Emergency Event Recording Lock, Recording on Demand, Parking mode*, Time-Lapse*

ADAS : Lane Departure Warning, Vehicle Movement Alert

Technical Details

Connectivity : AP Mode***
(Wi-Fi 2.4GHz)

mSD Card : Up to 256 GB

Mobile App : ZEB - AutoShield

G-Sensor : Built-In

Battery : SuperCap (5.5V 3.5F)

Power Supply : Car Cigarette
Lighter Socket

Power Input	: 5V, 2A
Power Port Type	: Type C
Working Temperature	: -40°C - +70°C
Product Dimensions (W x D x H)	
Front	: 10.5 x 4.4 x 6.5 cm
Rear	: 5.4 x 2.9 x 3.4 cm
Net Weight	
Front	: 115 g
Rear	: 31g

**Maximum Resolution obtainable in stand alone usage.*

***Please note time lapse and parking mode is supported with hardwire kit only.*

****Only for playback*

***** microSD card not included.*

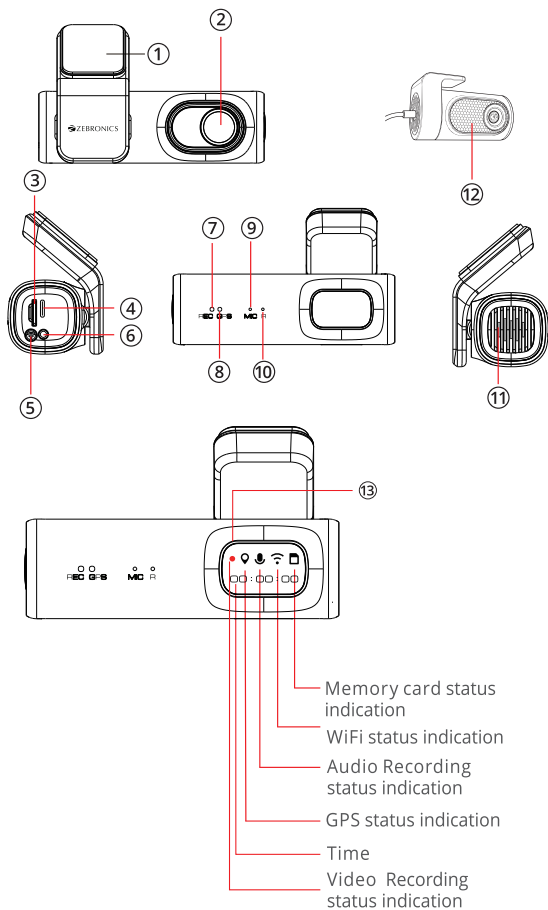
Package Contents:

Front Dash Camera	: 1 U
Rear Dash Camera	: 1 U
Connecting Cable	: 1 U
Car Charger	: 1 U
Power Cable	: 1 U
Electrostatic Film Big	: 2 U
Electrostatic Film Small	: 2 U
Attachment Bracket	: 1 U
Extra adhesive	: 2 U
Cable Clips	: 5 U

Pry Tool : 1 U

QR Code Guide : 1 U

Product Diagram:



Description

- ① Sticker Mount
- ② Front Camera
- ③ Micro-SD Card Slot
- ④ TYPE- C Charging Port
- ⑤ Wi-Fi Key
- ⑥ Rear Camera (AV-IN) slot
- ⑦ Recording LED Indicator
- ⑧ GPS LED Indicator
- ⑨ Mic -Phone
- ⑩ Reset Button
- ⑪ Speaker
- ⑫ Rear Camera
- ⑬ Display

Button Function:

- Wi-Fi Key - Short press to Turn On/Off Wi-Fi.
- Double click to turn On /Off recording.
- Press and hold for 3 seconds to lock the video.(Press and hold for 8 seconds to set to Format Micro-SD Card and default settings)

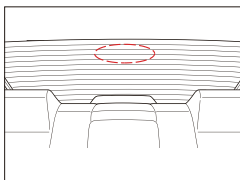
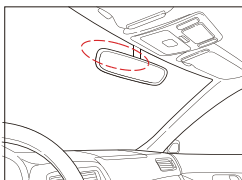
COLOR	STATUS
● Blinking	Recording Normal Video
● Blinking	Recording Locked video

Installation:

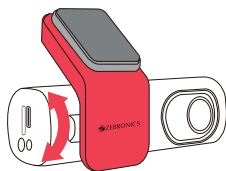
- Prior powering the Dash cam On, insert a mSD card into the slot (until it locks into place).

Note: please use class 10 or above high-speed U3 micro-SD card

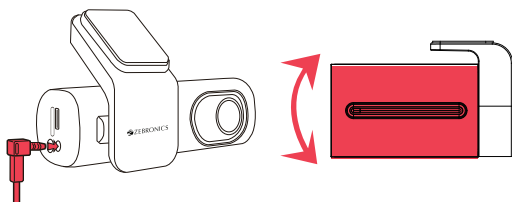
- Install the front camera on the windshield at the comfortable position where the position of the camera does not obstruct the driver's field of vision (preferably behind the rear-view mirror).



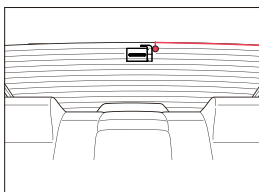
- Remove any foreign matter and clean and dry the windshield before installation.
- Tear Off the protective layer of the electrostatic sticker and adhere the electrostatic sticker to the windshield to prevent mark/glue on your windshield
- Peel off the protective film from the double-sided tape on the camera (Master Unit or the front camera unit) and attach it to the electrostatic sticker pasted on the front windshield. Adjust the tilt angle of view by adjusting the body of the front camera.



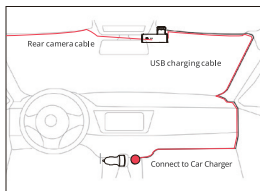
- Likewise, peel off the protective file from the double-sided tape and attach the rear camera to the rear windshield. Adjust the tilt angle of view by rotating the body of the rear camera, connect the front camera and the rear.



- Use the pry tool to lift the edges of the rubber window sealing and moulding and tuck in the rear camera connection cable.



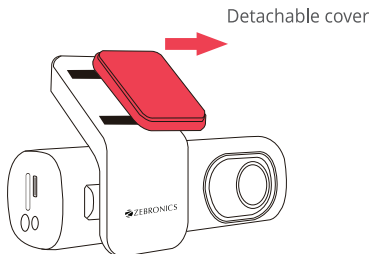
- Power the camera using the car charger and the cable provided in the package. The camera works with DC 5V power input.



- Turn on the engine. The Dashcam will power up and start recording. Video files are stored on the microSD card. Turn off the engine. The Dashcam will automatically stop recording and power down.

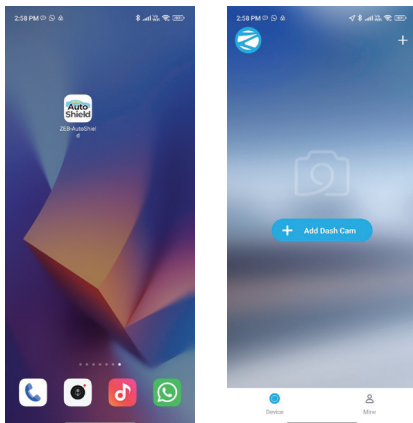
Note:

The front camera of ZEB-DC4020 has a removable cover (over which the glue is pasted). So in case if the front camera unit needs to be removed, then the detachable cover can be left on the electro static sticker while the unit can be taken.



ZEB Auto Shield Application Configuration:

- Search for the ZEB-Auto Shield APP in the google play store / App store and install it on your smartphone.



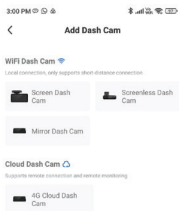
- Go to Phone Select Settings> Wi-Fi> Select Wi-Fi of the dash cam.
- After it's connected to the Wi-Fi, it will say "No internet Connection" which is normal. Because dash cam Wi-Fi is only for Video/Photo transfer function, please ignore the prompt.

Note:

Wi-Fi Name SSID: DC4020_*****

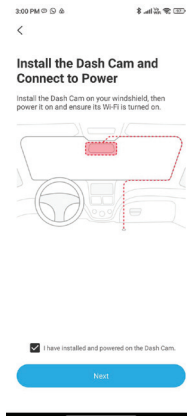
Default password: 12345678

Step1: Select Screenless Dash Cam.

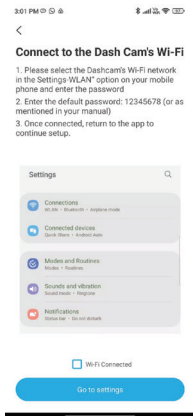


- While installing the app, please enable and give permission to the requested access.

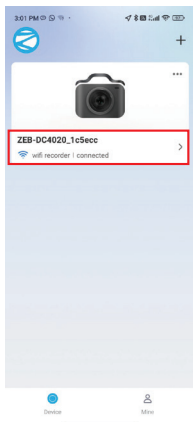
Step2: Enable the check box and click next.



Step3: Enable the Check box and click Next option.



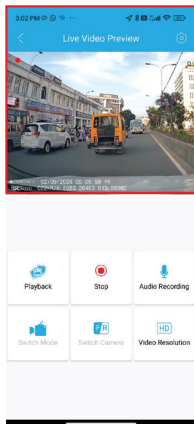
Step4: After Added Camera it shows the status as connected.



Live Preview and Downloading the Recorded Files:

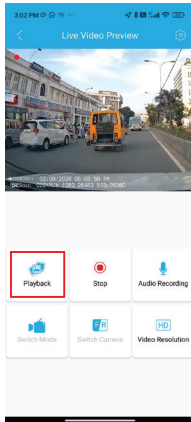
ZEB-AutoShield app will support preview only when it is connected with the camera through Wi-Fi direct.

- Open the ZEB-AutoShield app and click on the connected dash camera and it will redirect to the live preview page.



- The live video will be displayed on the smartphone (via Wi-Fi direct).

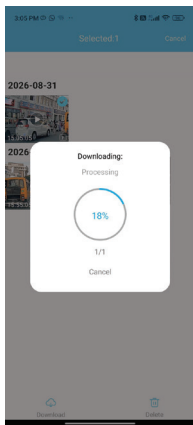
Note: The video will be recorded by the dashcam only when the mSD card is present)



- To access the Playback (recorded files), "STOP" the recording first, then press the "Playback" to access the Photo, Video, Event files.



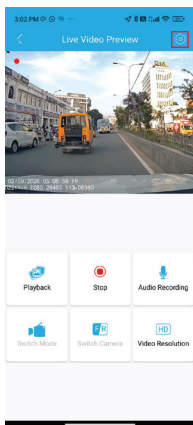
- To download the file (into your smart phone), click on the select option (top right side of the screen) and select the videos you need to download.



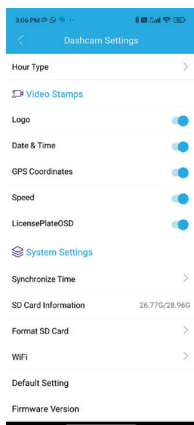
- Press the “download” tab to download the video files. (Note: Downloading the files is time consuming)

Accessing the Settings:

- Open the ZEB-AutoShield app and click on the connected dash camera and it will redirect to the live preview page.
- On the dashcam preview interface, click on “STOP” (recording) first, and then click on the “settings icon” to access the settings.



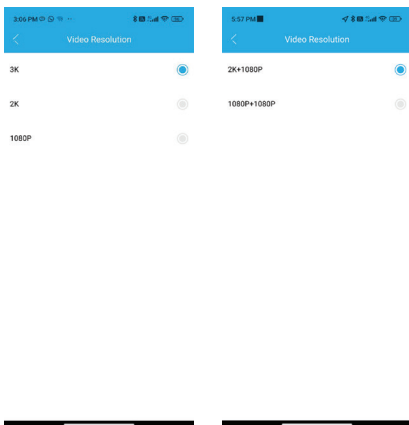
- Check the list of settings and customize the same as per the usage requirement.



General Setting

Video Resolution:

- Allow to choose the desired video resolution and fps (frames per second). Higher resolution and fps videos result in smoother videos, but also take more storage space.



Loop Recording: (1min (Default)/3mins/5mins)

- Here selects the length of (1/3/5 mins) of each video clip for the loop recording. This function allows the dash Camera to continuously record. Please notice, the dash cam will delete the oldest files automatically when the memory card gets full so that it can keep recording over and over.

Audio Recording: On (Default)/ Off

- The dashcam has a built-in microphone to record audio with video. You can choose to record mute video by choosing "off"

WDR:

- You can choose On and OFF mode, WDR improves visibility when lighting conditions are uneven.

Exposure:

- You can choose ON and OFF mode, Brightness control for camera Video recording.

G-Sensor: Off/Low/Medium (Default)/High

G-sensor is a 3-axis impact gravitational accelerometer, designed to detect physical and gravitational forces on the dash cam. Once the G-sensor has been triggered due to physical or gravitational impact force on the camera, the current video file will be locked as an emergency file so it won't be deleted by loop cycle function.

Parking Mode:

This function will only work when the Hardwire kit is installed properly. Then select parking mode. This parking mode has two options to choose from

Time Lapse Parking mode working time:

This setting allows you to choose the working time of Time-lapse Parking mode.

Fatigue Driving Reminder: Off (Default)/2H:

When you activate this feature, the dash cam will beep every 2 hours to remind you if you are experiencing fatigue while driving.

**Screen saver: Screen Saver Off (Default)/
Screen Saver Off After 1-Min:**

Screen Saver Off: this screen will always be on.

Screen Off After 1- Min: The screen will turn off after 1 minute of inactivity.

Volume: Off/Low/MED(Default)/High:

This feature allows you to set the volume level for the boost sound volume, prompt volume through the camera's internal built-in speaker.

Boot Ringtone: On (Default)/Off:

This feature allows you to turn ON/OFF the camera's Boot Ringtone.

Voice Control:

Only English Voice prompts: turn on Wi-Fi, take pictures, turn off recording, turn off Wi-Fi, open recording, lock the video.

Voice Command:

Say a command, Support only English

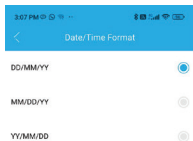


Frequency: 50Hz/60Hz (Default)

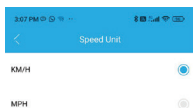
Here you should choose the frequency according to your power supply specification used in your country based on your geographical location.

Date/Time Format:

This feature allows you to select the date format.



Speed Unit: km/h, MPH (Default)



You can choose your desired speed option stamp to be displayed and recorded on video stamp based on your selection.

Car Plate Number:

The vehicle's license plate number can be entered in this sub-menu and the same will be displayed on the OSD of the video recorded (when enabled)

System Settings:

Synchronize Time:

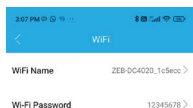
This option helps to synchronize the time of the dashcam as per the time of the smartphone.

SD Card Information:

Storage information of the memory card can be found here.

Wi-Fi:

Here you can change the Wi-Fi password of the dashcam through the APP, the default password: 12345678.



Format SD Card:

The formatting process will make sure that the card's file system format is optimized for the camera.

Default Settings:

Reset the Dash Cam settings to default settings. Your recordings will not be affected.