

# HELLO,

Thank you for purchasing the DC202-2CH dashcam. Let's get started!

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# DECLARATION OF CONFORMITY

## Product information

For the following

Product: Dashcam  
Type: DC202-2CH

## Declaration and applicable standards

Hereby, TJM Supplies B.V. declares that the type of dashcam DC202-2CH series conforms to: Directive EMC 2014/53/EU and the RoHS directive (2011/65/EU) and its amendment directives 2015/863/EU on the restriction of the use of certain hazardous substances in electronic equipment.

The full text of the EU declaration of conformity can be found at the following internet address: [www.nordval.eu/declaration-of-conformity/](http://www.nordval.eu/declaration-of-conformity/)

## Importer

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VAT number:	NL858946439B01

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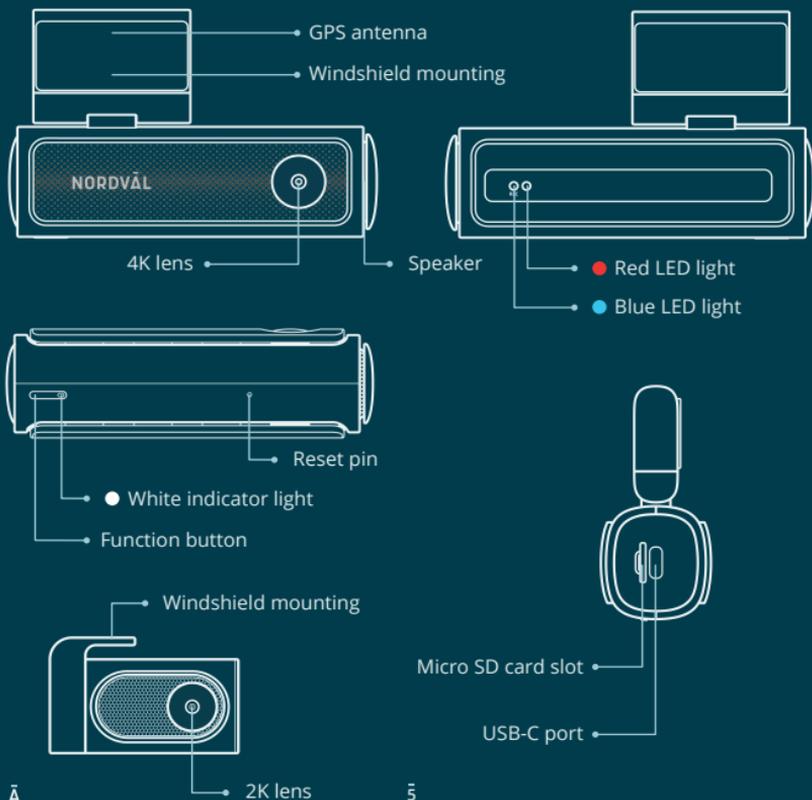
Manufactured in China.

## WHAT'S IN THE BOX

Please check the box for each of the following items before installing your dashcam:

- ▶ Nordvål DC202-2CH front and rear camera
- ▶ Micro SD card
- ▶ USB-C power cable (3.5m) + USB car charger
- ▶ AV cable rear camera (6m)
- ▶ Electrostatic films
- ▶ 5x Cable clips + pry tool
- ▶ Extra adhesive tape
- ▶ User manual

## DC202-2CH Details



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## DC202-2CH Buttons & functions

Button	Function	Instructions
Function button	Record audio toggle button	Press the button once to activate or deactivate audio recording.
	SD card format + WiFi password restoring	Press and hold the function button for 10 seconds to reset the WiFi password + format SD card.

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## DC202-2CH LED status

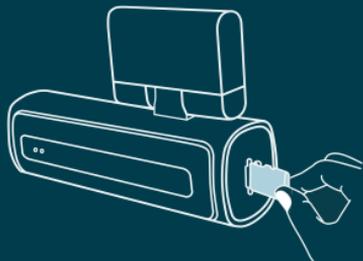
LED light	Meaning
● Blue	If the blue light flashes, the dashcam is recording.
	If the blue light is solid, the dashcam is powered on but not recording.
● Red	If the red light flashes, the SD card cannot be read.
	If the red light is solid, that the SD card needs to be formatted.
● Blue / ● Red	If the red light and the blue light flash alternately, an "event recording" is taking place.
	If the red light and the blue light flash simultaneously, an update or message is ongoing.
● White	If the white light is solid, audio recording is on.
	If the white light is off, audio recording is off.

# INSTALLING YOUR DASHCAM



## Caution

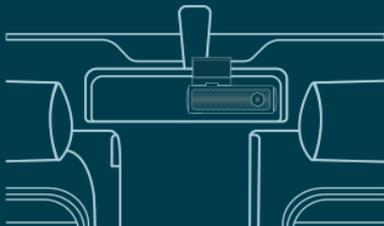
- Do not install the product in a location where it may obstruct the driver's field of vision.
- Attach the camera to the windshield, behind the rear-view mirror. Clean and dry the windshield before installation.



- 1** Turn off the engine. Carefully insert the micro SD card into the micro SD card slot until it clicks.



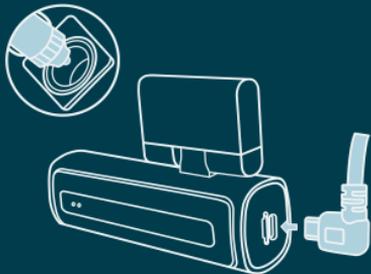
- 2** Remove the plastic film from the front camera. Remove the protective film from the adhesive tape.



- 3** Attach the camera to the windshield, behind the rear-view mirror. If desired, stick the electrostatic film between the windshield and the dashcam.



- 4** Adjust the angle of the lens by rotating the camera about 10° downwards. This ensures that the camera records with a good aspect ratio. It is recommended to maintain a ratio of 2/3 road and 1/3 horizon.



**5** Plug the 12V power cable into the car's cigarette lighter and plug the cable into the dashcam.



**6** Remove the plastic film from the rear camera. Remove the protective film from the adhesive tape.



**7** Attach the camera to the rear window in a place where the view is not obstructed. Place the rear camera in such a way that the adhesive edge is on the right side as shown in the image above.

**Note**

If the rear camera image is upside down or mirrored, you can correct this in the app settings.

**8** Start the engine. The dashcam powers up and starts recording. Video files are stored on the micro SD card. When the micro SD card is full, the newest video files will replace the oldest video files (loop recording). This means that the SD card always contains the most recent recordings.

# INSTALLING WITH NORDVÄL POWER KIT USB-C (Optional)



## Caution

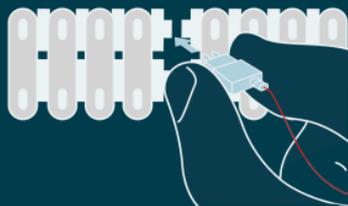
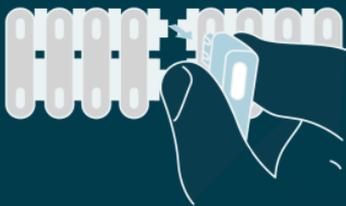
- Read this manual carefully before installation and, if in doubt, consult an authorized installer.
- Nordväl is not responsible for any damage caused by incorrect connection or by not following the instructions in this manual.

### 1 Stop the engine and remove the fuse box lid.

Refer to your car owner's manual to locate the fuse box and remove the lid. The location and layout of the fuse box and the type of the fuse box depends on the brand and type of vehicle.

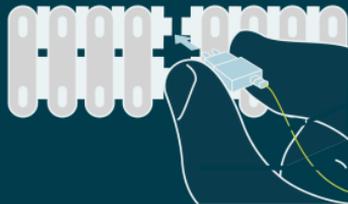
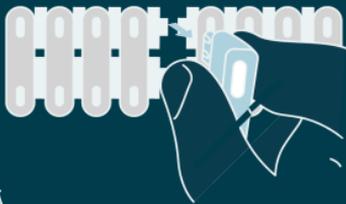
### 2 Connect the red ACC(+) fuse to the fuse box (switched power).

Find a spare switched fuse or remove a switched fuse from the fuse box. Then place the red ACC(+) fuse in the referred place.



### 3 Connect the yellow BAT fuse to the fuse box (constant power).

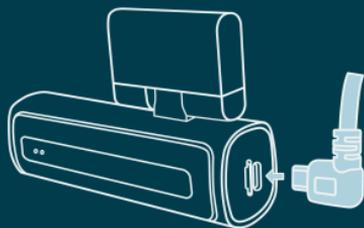
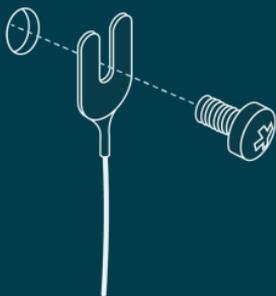
Find a spare constant fuse, or remove one from the fuse box. Then place the yellow BAT fuse in the referred place.



#### 4 Connect the black GND wire to a ground point.

Attach the GND wire to a grounding point, such as a bolt located directly on a metal part of the vehicle frame.

Connect the USB-C cable to the Nordvål dashcam and start the engine. Check if the dashcam turns on and keeps recording when you turn off the engine.



## CONNECTING TO THE APP

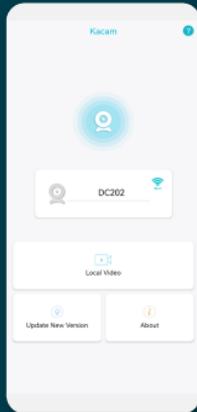
- 1 Download the “Kacam” app by scanning the QR code provided on this page, or by searching for it in the App Store or Google Play Store.
- 2 Enable Bluetooth and GPS location, then open the WiFi settings on your smartphone and select the network: “DC202-2CH”. Use the default password: “12345678” to connect.
- 3 Once connected, open the app to see live video, change the camera settings, or download recorded videos and photos.



App Store



Google Play Store



### Note



When you connect your smartphone to the dashcam for the first time, your smartphone will ask you if you want to keep or break the WiFi connection. Choose to keep WiFi connection.



For the app to work properly, it is important that your location settings are enabled in your smartphone.

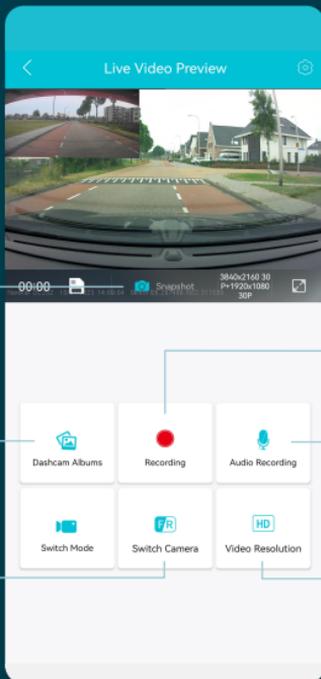
# APP OPTIONS

## General

**Capture image**  
Click on "Snapshot" to capture an image from the video.

**Dashcam Albums**  
Access all saved videos and images here.

**Switch Camera**  
Switch the display image of the front and rear camera.

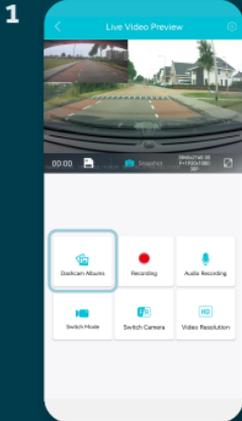


**Recording/Stop**  
Click to start or stop recording.

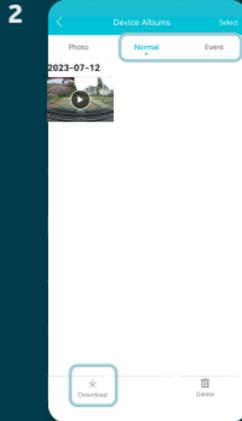
**Audio Recording**  
Click to start or stop the sound recording.

**Video Resolution**  
Adjust the resolution of the recording.

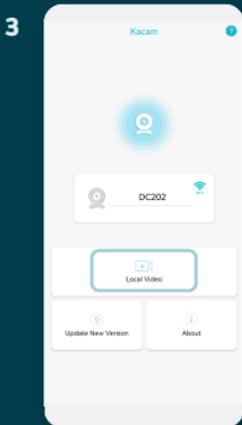
## Show GPS location during recordings in the app



From the “Live Video Preview” go to “Dashcam Albums”.



Select “Normal or “Event” recordings and click on “Download” at the bottom of the screen. Select the files you want to download and click on “Download” again.

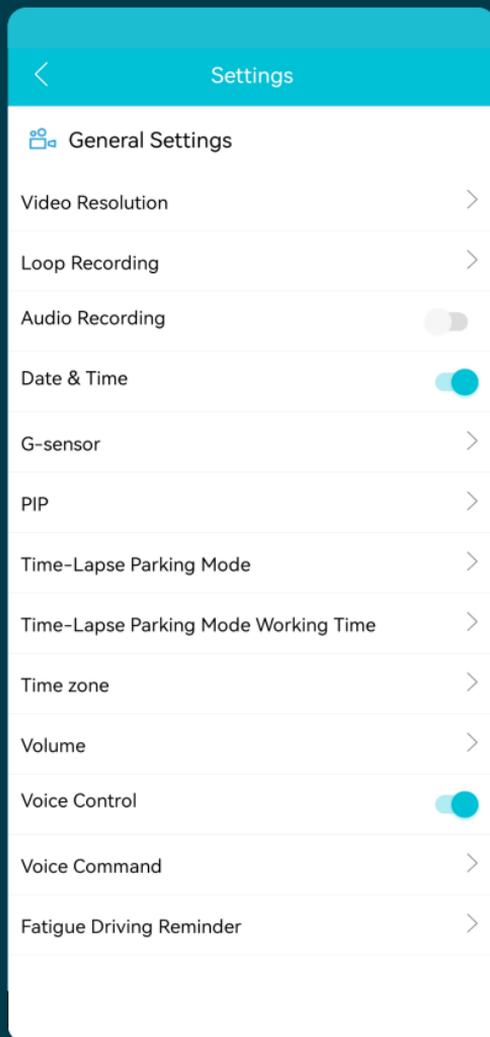


Your files are now downloaded to your device. In the main screen you will find the folder “Local Video”. Here you will find the downloaded recordings that you can view including location data.



You can now view your recordings with GPS location.

## Settings



### Video Resolution

Set the video resolution.

### Loop Recording

Recording time per segment.

### Audio Recording

Turns audio recording on/off.

### Date & Time

Displays the date & time in the video.

### G-sensor

Set the impact sensitivity of the G-sensor for Event recordings.

### PIP

Adjust the image display.

**Read more about the Parking Mode settings on page 16.**

### Time zone

Configure your actual timezone.

### Volume

Adjust speaker volume.

### Voice Control

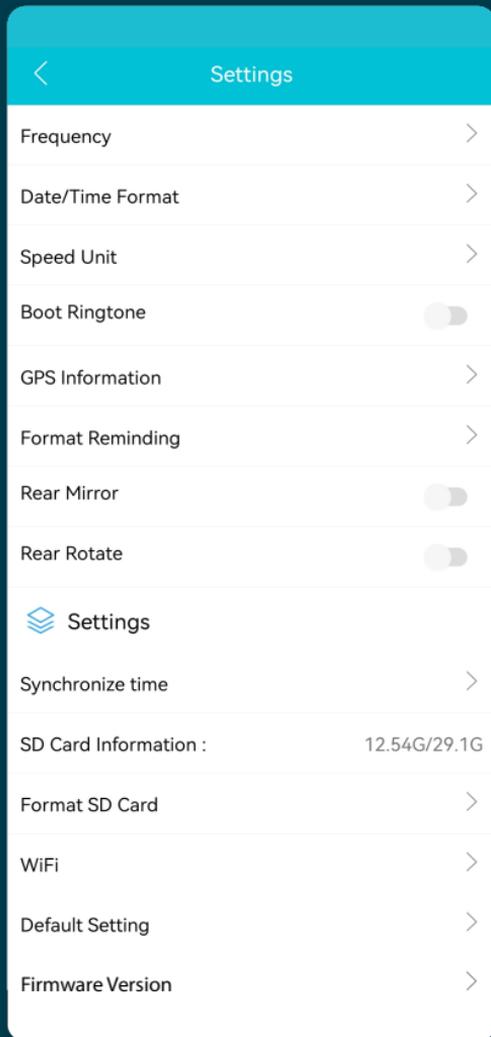
Turns voice control on/off.

### Voice Command

See which voice commands you can use.

### Fatigue Driving Reminder

Set whether you want to enable a fatigue reminder.

**Frequency**

Adjust the frequency: 50Hz / 60Hz. Use 50Hz if you drive in Europe.

**Date/Time Format**

Set how you want the time and date to be displayed.

**Speed Unit**

Set to kilometers per hour or miles per hour.

**Boot Ringtone**

Turns the tone on/off that is played when the camera is powered on/off.

**GPS Information**

Displays GPS satellite information.

**Format Reminding**

Set whether you want to enable the SD card format reminder.

**Rear Mirror**

Mirror the image of the rear camera (horizontal).

**Rear Rotate**

Flip the rear camera image upside down (vertical).

**Synchronize time**

Click this if you want to synchronize the time.

**SD Card Information**

The used storage and max. storage.

**Format SD card**

Click here if you want to format the SD card.

**WiFi**

Change the WiFi SSID and password if needed.

**Default Setting**

Restores factory settings.

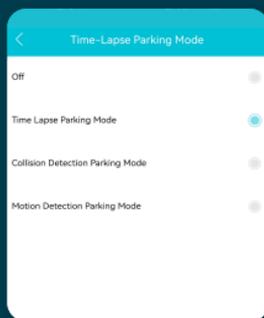
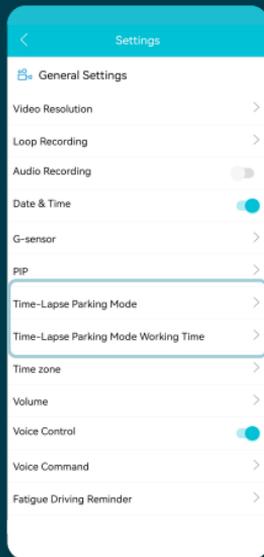
**Firmware Version**

Check which firmware version you have.

# SETTING THE PARKING MODE



- The parking mode option is only available after connecting the Nordvål Power Kit USB-C (see page 9).



Open the app and go to “DC202”. Stop recording first and then click on  “settings” in the upper right corner. Scroll down to “Time-Lapse Parking Mode” to set the parking mode options. You can choose from the following options:

## Time Lapse Parking Mode

In time lapse mode, the dashcam will continuously record with 1 frame per second, combined with the event recording mode.

## Collision Detection Parking Mode

In collision detection mode, the dashcam will start recording when an impact is detected. The video will be locked, so it will not be overwritten by the loop cycle function. You can set the G-sensor sensitivity settings in the settings of the dashcam.

## Motion Detection Parking Mode

In motion detection mode, the dashcam will start recording when movement is detected, combined with the event recording mode.

## Off

Parking mode is disabled, your dashcam will turn off when you turn off your engine.

### Note

The “collision-” and “motion detection” recordings will be placed in the “event” folder on your SD card. They are easy to find, and will not be overwritten by other recording types.

# PLAYBACK RECORDINGS ON PC

- 1 Download the GPS video player software from the following link: [www.nordval.eu/downloads/dashcams/](http://www.nordval.eu/downloads/dashcams/)
- 2 Copy the download file to a computer and install it.
- 3 Open the installed GPS video player software.
- 4 Remove the micro SD card from the dashcam.
- 5 Connect the micro SD card to the computer using an SD card adapter.



- 6 Click on  "File". Choose the file you want to play and open it. The GPS video player will now start playing the video.



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## VOICE CONTROL

The DC202-2CH supports voice control. The commands are listed below.

 **“Turn off recording”**

To stop recording

 **“Open recording”**

To start recording

 **“Take picture”**

To take a picture

 **“Lock the video”**

To lock the current video files

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## VOICE GUIDANCE

The DC202 dashcam has voice guidance to let you know when important things take place. The spoken notifications are:

 **“Emergency video”**

G-sensor is triggered, an event recording is taking place

 **“Recording started”**

The dashcam started recording

 **“WiFi on”**

WiFi is turned on

 **“Recording stopped”**

The dashcam stopped recording

 **“WiFi off”**

WiFi is turned off

 **“Format successfully”**

The dashcam successfully formatted the SD card

 **“Memory card error”**

The SD card cannot be read. Format and/or replace it

 **“Format failed”**

The dashcam could not format the SD card

If desired, you can switch off voice guidance through the dashcams settings in the app.



- The voice control can only be used in English.
- The voice guidance is only supported in English.

# FREQUENTLY ASKED QUESTIONS

## **The dashcam does not record or suddenly stops recording.**

Check the power supply and/or format the SD card in the camera or a computer.

## **How do I format the SD card and reset the camera?**

To format the SD card, open the app and connect the dashcam (if necessary). Go to "DC202" Stop recording first and then click on  "settings" in the upper right corner. Then click on "Format" to format the SD card.

To reset the camera, press and hold the function button for 10 seconds to set the dashcam to default settings.

## **I cannot find the dashcam in my WiFi settings.**

When your dashcam is connected to your car, start your engine. The dashcam will now also turn on. Make sure that you have WiFi, GPS and Bluetooth enabled on your phone.

## **The WiFi disconnects automatically.**

When you are connected to the dashcam via WiFi, it will automatically turn off after a few minutes (when there is no app activity).

## **There are horizontal stripes in the recording.**

Open the app and go to  "settings" in the upper right corner and adjust the frequency based on the power supply (60Hz or 50Hz).

## **My dashcam does not record in parking mode.**

Check whether the parking mode is set correctly, or let an authorized installer check the physical installation. For more information about the installation and software settings, see pages 9, 10 and 16.

## **How can I change the WiFi password?**

Open the app and go to  "settings" in the upper right. In the menu, choose "WiFi". Here you can view and/or change the WiFi data.

## **I forgot the WiFi password**

If you forgot your WiFi password, you can format the dashcam and reset it to factory settings (see page 6). The password will then reset to the default password: "**12345678**".

**Important:** Save important recordings before formatting the SD card.

**My recordings are blurry.**

Remove the protective lens film and clean the lens with (preferably) a lens cloth. Also, make sure the windshield is clean and clear of grease and dirt.

**My recordings have no sound.**

Open the app and go to  "settings" in the upper right corner and ensure that the "Record Audio" setting is turned on or use the function button on the dashcam by pressing it once. Please note that the Time-Lapse videos recorded in parking mode do not include audio.

**My camera automatically turns on and off.**

Make sure that the output current can reach 5V / 2.5A and use the included car charger.

**My camera gets hot.**

Due to the camera continuously recording at high speed, the dashcam may be hot during use. The camera has an overheating protection at 70° Celsius.

**Video files cannot be played on my computer.**

The video files from the dashcam are in MP4 format and may not be compatible with your PC if suitable playback software is not installed. Make sure you have installed the right codecs and software.

**My dashcam keeps saying "Memory card error".**

Using unqualified SD or third-party cards can affect the dashcam's performance and in some cases, force the dashcam to reboot randomly during recording. Use the official SD card and/or try formatting it in the app.

**Is your question not answered?**

The FAQs and associated solutions and tips are covered above. Is your question not listed, or the possible solution did not help? Then go to: [www.nordval.eu/products-faq/](http://www.nordval.eu/products-faq/) for more tips, or get in touch with us.

# PRODUCT SPECIFICATIONS

<b>Product name</b>	DC202-2CH	
<b>Color / Size / Weight</b>	Front camera: black / 11,3 x 3,5 x 3,4cm / 157g Rear camera: black / 5,4 x 2,9 x 2,7cm / 24g	
<b>SD card</b>	Micro SD, class 10 or higher, up to 256GB	
<b>Recording modes</b>	Normal, Time Lapse*, Collision Detection*, Motion Detection* *These are parking modes and require the optional Nordval Power Kit USB-C to be used.	
<b>Video resolution</b>	Front & Rear:	4K 3840x2160 @ 30FPS + Full HD 1920x1080 @ 30FPS (Default) 4K 3840x2160 @ 30FPS + 2K 2560x1440 @ 25FPS 2K 2560x1440 @ 30FPS + Full HD 1920x1080 @ 30FPS Full HD 1920x1080 @ 30FPS + Full HD 1920x1080 @ 30FPS
	Front only:	5K 5120x2160 @ 25FPS 4K 3840x2160 @ 30FPS 2K 2560x1440 @ 30FPS Full HD 1920x1080 @ 30FPS
<b>Viewing angle</b>	Front camera: 140° wide angle lens Rear camera: 135° wide angle lens	
<b>Video codec</b>	H.265	
<b>Video file format</b>	MP4	
<b>Photo file format</b>	JPG	
<b>GPS</b>	Built-in, playback in app or PC with GPS video player	
<b>WiFi</b>	Built-in, 5Ghz	
<b>Bluetooth</b>	Built-in, BLE 4.2	
<b>Microphone / speaker</b>	Yes / yes (voice guidance in English)	
<b>USB-C port</b>	Built-in	
<b>Time &amp; date setting</b>	Yes	
<b>Loop recording</b>	Yes, 1 minute only	
<b>Input</b>	12V-24V cigarette charger / 12V-24V Power Kit USB-C	
<b>Power consumption</b>	5V 2.5A	
<b>Battery</b>	Built-in super capacitor	
<b>Operating temperature</b>	-20°C to 70°C	
<b>Length USB-C cable</b>	3,5 meters	
<b>Warranty</b>	2 years	