

DK-V2-4GB

Camera and video recorder
black box for cars with 4G

Product composition



- 1 Dashcam Camera with Adhesive Mount 2 GPS Antenna
3 Connection cable to vehicle control unit 4 Internal secondary cameras

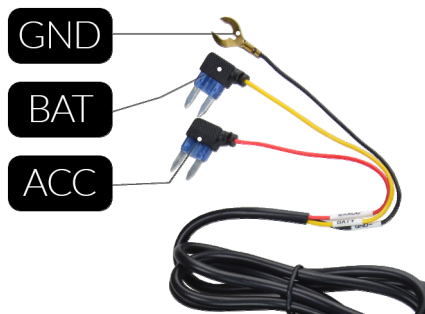
Product Description

DK-V2-4GB is a car video recorder with a built-in front camera and a second camera for filming the inside of the vehicle. It is ideal for mounting on the windshield with the included adhesive bracket and monitoring everything that happens around the vehicle. It is equipped with a 4G SIM slot that allows control via the web.

Dashcam wiring

The dashcam is supplied with a cable that allows it to be connected to the vehicle's control unit and to which the internal camera and GPS antenna are also connected.

The power cord has these 3 connectors



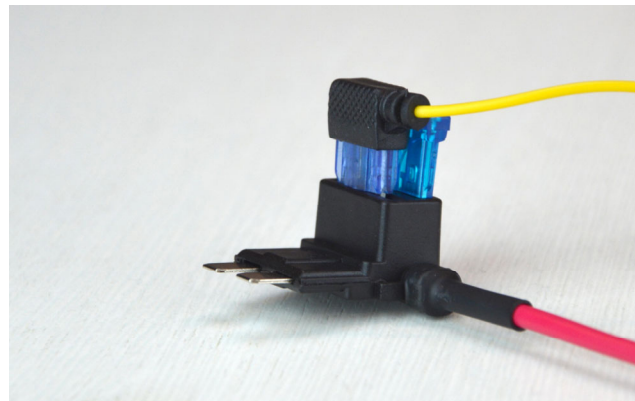
BAT – Yellow cable BAT+ connects to a fuse holder that always supplies power, even when the vehicle is off.

ACC – Red ACC wire connects to a fuse holder that supplies power only when the vehicle is running.

GND – Ground wire connects to a ground screw on the vehicle chassis

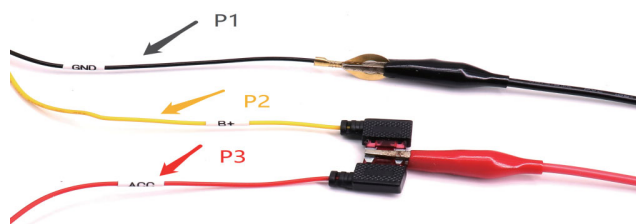
NOTE – You can use a tester connected between the fuse holder and a chassis ground screw to check for voltage.

You can connect the connector to an empty fuse holder, or use the splitter that allows you to connect both the camera and the original fuse in one place.



Connected in this way, the camera records continuously only when the vehicle is running. When the vehicle is off, the parking function can be enabled, which records if the vehicle is hit.

If you want to record continuously, even when parking, you can connect both the BAT and ACC connectors to a fuse holder that always has voltage present even when the ignition is off.



In this case, however, it is also a good idea to install a battery saver device, which disconnects the camera if the battery is running low, and an external switch on the ACC cable, to be able to turn off the camera in the event of long stops.

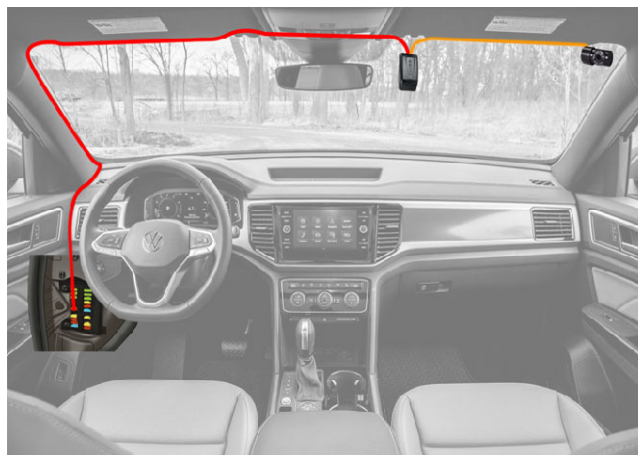
Dashcam Mounting

The camera should be positioned near the rearview mirror, so as to have a good frontal shot. The best position is towards the passenger side, as shown in the figure, so as not to obstruct the driver's view.

The bracket is equipped with a high-strength adhesive. It is advisable to clean the glass well and check the framing before gluing the bracket.

The lens can be rotated to match the inclination of the windshield and perfectly frame the road in front of the vehicle.

The internal camera and GPS antenna connect to the power cable to the relevant connectors. The camera is always positioned on the windshield, facing inside the passenger compartment, the antenna is equipped with a magnet to be attached to the bodywork at any point in the passenger compartment, even hidden



Turning on the camera and recording

The camera automatically turns on when it receives 12VDC power on the BAT and ACC terminals simultaneously. When the vehicle is turned off, the voltage on ACC is removed and the camera enters Parking mode.

Parking Mode

In Parking mode the camera remains dormant with negligible consumption. Recording starts if the vehicle is hit to document the incident. The camera also activates if a remote connection via the web is requested via the app.

Indication LED

The camera is equipped with 3 indicator LEDs: RED LED – Flashing if abnormal recording BLUE LED – Flashing when 4G network not connected GREEN LED – Flashing when GPS out of coverage GREEN LED – Steady when all functions are normal



Insert the micro SD card

The first thing to do, if you want to make recordings, is to insert the micro SD card into the appropriate slot in the DVR (TF)

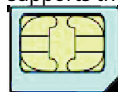
It is possible to use micro SD cards with capacity up to **128 GB in CLASS 10** or higher. SD card is not included in the package.

As an indication, consider that one minute of continuous recording at 1080P takes up approximately 90MB, so a 128GB SD card can hold approximately 24 hours of continuous recording.

Once the SD card is inserted into the slot, the red LED indicating abnormal recording turns off and an audible confirmation that the SD card has been inserted is emitted.

Insert 4G SIM

If you want to be able to control the dashcam via the WEB you need to insert a 4G sim card into the slot called SIM. The camera supports the MicroSIM format.



If you have a smaller SIM, NanoSIM, you will need an adapter (not included). Insert the card until you hear the click of attachment, possibly helping yourself with a sharp object. Once the SIM card is inserted, if there is a 4G data network from your provider, the flashing blue LED, which indicated the disconnected network, turns off and the message: Network OK is played.

Registration

The camera starts recording automatically at startup in continuous mode and saves video files on the SD card in resolution 1920x1080 30 f/s, complete with audio. The files saved on the SD card are H264 videos in .TS format with a duration of 2 minutes each.

When the vehicle is stationary, in parking mode, the camera only records if the vehicle is hit.

Buttons

The camera has two buttons: Power and Camera.



CAMERA BUTTON - The camera has a camera button that you can press at any important moment to highlight and protect the recorded footage of that moment from being overwritten. The footage protected with this button is stored in a separate folder for easy identification. When you press this button, a real-time alert is also sent to the app, so this button also has an SOS/Panic function. **DOUBLE** pressing this button enables/disables the camera's warning voice. **LONG** pressing this button enables/disables wifi.

ON/OFF BUTTON - Long press this button for 3 SECONDS to reset to factory settings. This button is also used to confirm pairing to the cloud app as explained below.

RESET BUTTON - Insert a thin pin into the reset hole and press and hold to reset the device if necessary

Protecting Recorded Files

Normally the camera records until the memory is full, then overwrites the recorded files starting from the oldest. It is possible to protect the file in progress

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recording from overwriting by pressing the button with the camera icon on the camera. The camera also automatically protects recorded files from overwriting following the intervention of the collision sensor.

Using the free Cloud DVR app

The camera is controlled with the free app **CLOUDDVR** which can be used to control the camera's framing and to manage recordings, both via local wifi connection and via the web.

Search and download the CLOUDDVR app for Android or iOS from Google Play or Apple Store.



Once you have installed the app, the first thing you need to do is create an account to log in.

Once you have created your account you need to connect the camera to your account.

The camera creates its own WiFi network by default that you can connect to with your phone. Open the WiFi network management on your phone and connect to the camera's WiFi network that you will find among the available networks with an acronym **FX_--**

The factory password of the camera's wifi network is: 12345678



If you have not inserted the SIM card into the camera, your phone may warn you that the WiFi network does not have Internet access: choose to keep the connection.

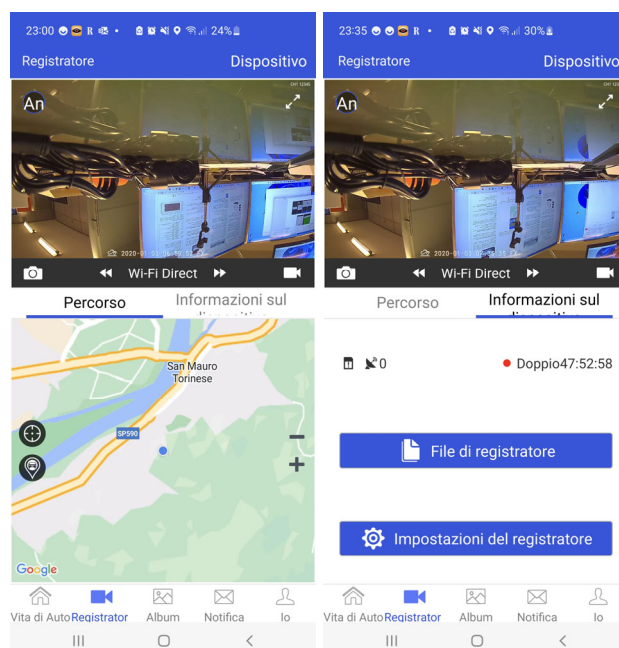
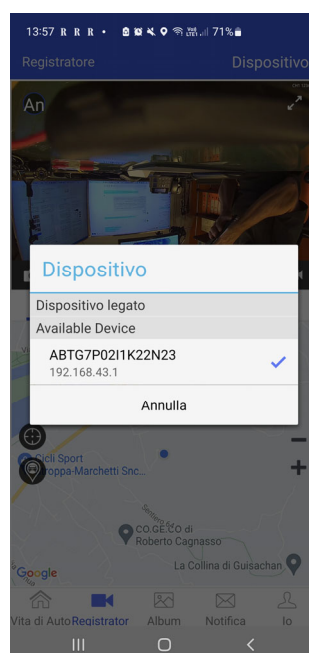
NOTE: When your phone connects to the camera's wifi, the camera gets the correct time from your phone and synchronizes its internal clock.

Launch CLOUDDVR app now

If you are connected to the camera's wifi, the app will automatically detect the camera and present you with a message asking for consent to pair the camera to the app. The path is different depending on whether you have inserted the SIM or not, as explained below.

LOCAL PAIRING – If you have not inserted the SIM, by pressing the pairing confirmation message the camera will pair to the app only temporarily for local control. In this situation you can manage the camera only when you connect to its wifi network. **WEB PAIRING** – If you have inserted the SIM, press the pairing confirmation message and then press the ON/OFF button on the camera within 5 seconds. Press the ON/OFF button within 5 seconds and the camera will be paired with your app in the cloud server. Once the camera is paired in this way, you will be able to reach it via the Internet even if you disconnect from the camera's wifi network.

A camera can connect to multiple app users, but only one active connection is possible at a time.

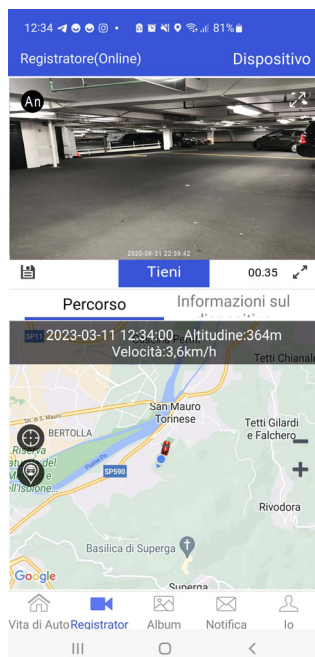


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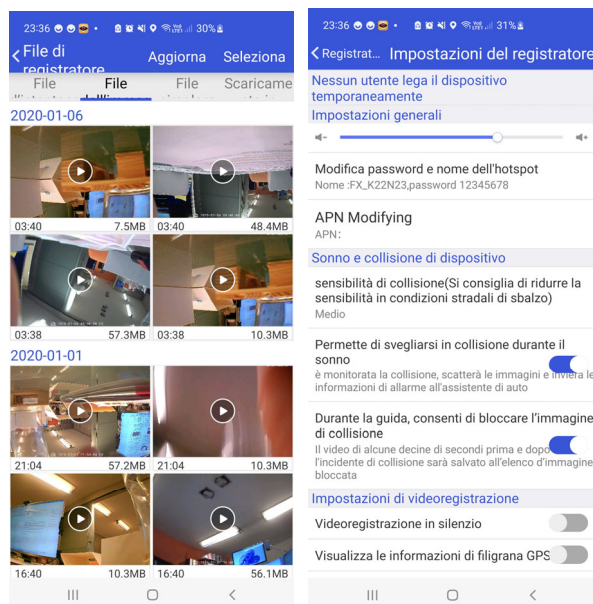
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The app allows you to control the front and rear cameras. With the small An/P button on the top left you can select the camera. With the camera and video buttons located below the image you can take photos and record videos to save on your phone.

Only when accessing in 4G mode is the HOLD button available in the center of the screen. Press and hold this button for two-way communication using the speaker and microphone in the camera.



At the bottom of the screen you can see the GPS map or you can switch to a second page that allows you to view the recorded files and set some camera options



To avoid overloading the server, the real-time video connection via the web has a timing that automatically closes it in the absence of operator commands.

Configuring options

These are the operating options that you can configure in the menu

CHANGE PASSWORD – You can change the name and password of the camera's wifi network

COLLISION SENSITIVITY – You can adjust the sensitivity of the internal collision detector (G-Sensor) which is used by the camera to freeze images in the event of an accident or to detect a bump in parking surveillance.

COLLISION WAKE UP – Enables the parking surveillance function. When the vehicle is turned off, the camera will go into Stand-By (Sleep) mode and will automatically activate if the vehicle is hit.

COLLISION IMAGE FREEZE – If you enable this function, the camera will protect the video before and after a collision from being overwritten to save the images of the accident.

SILENCE – Disables audio while recording

GPS WATERMARK – When enabled, overlays GPS coordinates on the video.

REAR MIRROR – Mirrors the rear camera image.

RESTART VIDEO RECORDING – Restarts the DVR and applies any changes to the video recording

FORMAT SD CARD – Formats the SD card, erasing its contents.

FACTORY RESET – Restores factory settings.

Reproduction

You can access the recordings with the Recorder File button or with the ALBUM icon. In the free app this function is only possible in direct wifi connection with the phone near the camera.

The recordings section is divided into 4 folders where they are saved respectively from left to right

- IMPORTANT FILES PROTECTED BY PRESSING THE CAMERA BUTTON ON THE CAMERA
- IMPORTANT FILES PROTECTED FROM OVERWRITING BY COLLISION SENSOR
- CONTINUOUS RECORDING FILES
- FILES DOWNLOADED TO YOUR PHONE

To download videos from the camera and save them to your phone, press and hold the file icon for a few seconds.

User

The user section is accessed with the IO button. It is possible to review the route stored by the GPS.

Using the CMSV6 Fleet Management App and Software

The camera you purchased includes a one-year subscription to the CMSV6 fleet management platform. The IP address, user name and password to access the platform are sent to you via email.

CMSV6 is a very powerful web-based fleet management platform with many advanced features that you can use instead of the free CloudDVR app. It is especially useful for fleet management when you need to monitor many dashcams at the same time.

You can download the CMSV6 software from our website and the CMSV6 app or even CMSV7 (new version) from the iOS and Android stores.

You can also use CMSV6 with our dashcams simply with a browser by connecting to the IP address <http://47.241.210.146/>

For using CMSV6, refer to the specific manual.