

TECHALOGIC™

DC-2 Pro

User Manual

All-in-One Portable Dual Lens Helmet Camera



Product Specification

Sensor	SONY IMX307
Aperture	F 1.8
Lens Angle	Front: 150°/ Rear: 150°
Photo	JPG Max. 2M
Video	MP4 (Preset) & TS . Codec H.265
Resolution (DUAL)	QHD 2K 30fps FHD 1920 X 1080P 60fps (Preset) FHD 1920 X 1080P 30fps
Resolution (Single)	FHD 1920 X 1080P 60fps
Battery/Duration	Size -1920 mAh Dual FHD 30fps – 240 Min Dual FHD 60fps – 175 Min Dual 2K 30fps – 190 Min Single FHD 60fps – 240 Min
Size / Weight	110 X 40 X 33 mm / 104g
Memory card	Micro SD Card - Max. 128gb
Wi-Fi	Built-in
MIC	Built-in
Remote Controller	Optional wireless controller to take a photo/lock the file
GPS	Optional GPS to record speed and route

Main Product Features

- Unique Patented Dual Lens Design.
- Dual Front & Rear 2K Resolution
- SONY IMX307 Starvis Night Vision Sensor
- Portable Design. Easy DIY installation. Can be used for various activities.
- Up to 4 Hours Battery Duration (Dual Record)
- Type-C Charging
- TS and MP4 Video Format Options
- Fatigue Driving Vibrate Alert
- Smart Auto-Sleep/Wake Functions. Energy Saving Auto Power Down Feature
- Memory Card - Auto Format Detection
- Wi-Fi Connectivity to Mobile Device

Front Lens



Rear Lens



Product Overview



Key Button

1. Long press (3 seconds) to turn the camera on / off.
2. Short press once to start / stop recording.
3. Fast short press twice to turn Wi-Fi on / off.

Note

Main Reset Button is located next to the USB Port

Waterproof USB Connection Guide

A powerbank can be used to extend the camera's battery life. This is connected to the camera using the charging cable and waterproof pack provided. Please see diagram below.



Waterproof
TYPE-C
Charging Cable



Box Contents

DC2 – Pro Camera
Type C Charging Cable
Equestrian Hat Strap (Black)
Cycle Helmet Strap (Black)
Main Camera Holder/Ring
Flat Mount Plus 3M
Curved Mount Plus 3M
Bolts/Tools
Angle Bracket
Buckle Clip
Cleaning Cloth
Draw String Camera Bag

Key Buttons Commands

1. To Power On/Off: Hold down the button for 3 seconds and the camera will vibrate.
2. To Start/Stop Recording: Press the button ONCE(Auto record when powered on)
3. To Turn the Wi-Fi On/Off: Quick press the button TWICE.
4. To Format the SD Card: Quick press the button 5 times, then white LED will flash and then the camera will vibrate 5 times.

Note

If the camera can't detect or read the memory card, the lights will flash quickly as a warning.

Operations

Charging The Battery

1. Fully charge the camera before first use.
2. Use the original USB cable to charge the camera. Charge via mains or power bank supply.
3. The USB port on any computer will not fully charge the camera.
4. While charging, the charging light (red light) will remain on, and it will automatically shut off at full charge.

Note

During use, the GREEN light will flash quickly when the battery is LOW.

Inserting The Micro SD Card

1. Open the cover of the SD card slot.
2. Insert Micro SD card and the Max. storage is 128G. Please make sure to insert the SD card in the right direction and click into place. Close the rubber door to protect the camera against water/dust ingress.
3. The camera will detect the memory card status. After the 5 vibrations, the white LED will steady flash (appx one per second). This indicates that the format is done and the camera is recording.
4. Please don't remove the SD card while recording.

Note

All video and photo files stored on your card will be deleted after formatting.

Format The SD Card Regularly to maintain card health.

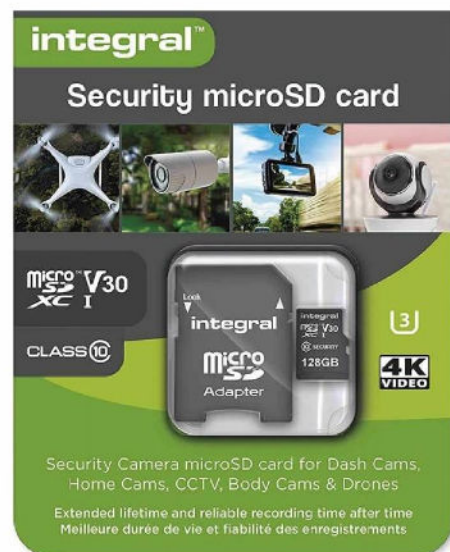
(Once a month is recommended)

1. By APP. Via the Viidure APP. Within setting page, you can select 'format the memory card'.
2. Manually on Camera. Press the camera's key button 5 times (quick presses). Camera will vibrate 5 times to confirm the card has been formatted.

Micro SD Card Guide

Using a suitable and compatible SD card is essential to your camera functioning correctly. There are various branded and unbranded cards that are not suitable for use in safety style cameras that have the loop record function. Ideally please select a durable card that has been designed specifically for dashcam/safety camera use. The 'Integral Security' Micro SD Card (Image Below) is our recommended choice for great quality and value for money.

The Integral cards are suitable with any Techalogue Camera.



Warning

Techalogue customers report a high level of issues with the Sandisk range of cards with our cameras and we advise that these be avoided.

As a guide the DC-2 Pro will store below on the different size SD Cards

32Gb	Camera	2K 30ps & 1080 60fps	1080 30fps
	DC-2 Pro	1.58 Hours	2.25 Hours
64Gb	Camera	2K 30ps & 1080 60fps	1080 30fps
	DC-2 Pro	3.15 Hours	4.5 Hours
128Gb	Camera	2K 30ps & 1080 60fps	1080 30fps
	DC-2 Pro	6.3 Hours	9 Hours

Note

The above is a guide only as will vary depending on quality and age of the card being used.

Camera Basic User Guide

1. Before use, make sure that the camera is fully charged, and the memory card is inserted.

Note The SD may require formatting when using it with the camera for the first time.

2. Long press and hold the key button 3 seconds to turn on the camera, and it will vibrate once.
3. Once the camera is powered on, the recording light (white LED) will start flashing (meaning, it's recording). The white LED will flash once per second during recording. To STOP recording press the key button once. The camera will then vibrate once, and the white LED will remain solid (not flashing). To start recording again, press the key button once and the camera will vibrate. The white LED will start flashing indicating that the camera is recording again.
4. Turn on the camera's Wi-Fi feature by pressing the key button TWICE (quickly). The blue Wi-Fi light will flash indicating that the camera's Wi-Fi is turned on and ready for connection to your mobile device. Note - If it is not connected to the phone's Wi-Fi within 1 minute the camera's Wi-Fi will automatically turn off. Once the camera is connected to your phone's Wi-Fi the blue light will remain solid (not flashing).

Note The Wifi status on the camera when you turn it on will mirror the status when it was last powered down eg if Wifi is off when powered down it will be off when next switched on.

5. Hold down the key button for 3 seconds to turn the camera off, it will vibrate 3 times and power down.
6. If the camera can't detect or read the memory card, the lights will flash quickly as a warning

Low-Power Warning

The battery LED (green) indicates the camera's battery level.

Solid Green LED - Battery power is more than 50%.

Slow flashing Green LED - Battery power 30%-50%.

Quick flashing Green LED - Battery power is less than 30%.

Auto-Sleep/Wake (Smart Mode)

1. In normal recording mode, when the camera is static (i.e. no movement) for 3 minutes, it will vibrate 4 times and automatically go to the sleep mode.
2. When the camera detects any movement, it will automatically vibrate once and wake from sleep mode to start recording.
3. The Smart Mode function can be turned On/Off in the APP setting page. The default setting is ON.

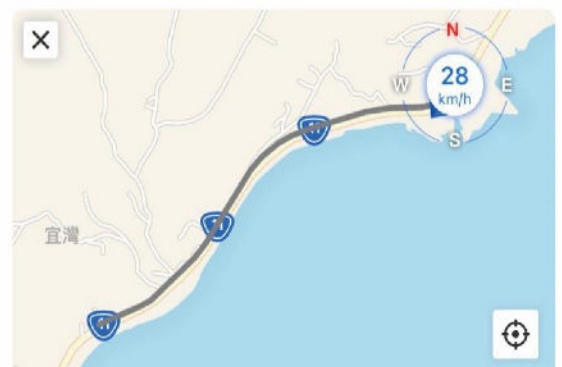
Fatigue Driving Vibrating Alert

1. In the APP setting page, you can choose OFF / 1H / 2H / 3H. The default setting is OFF
2. When the setting time is reached the camera will vibrate once to warn you that the duration set has been reached.

GPS Module (Optional Accessory)

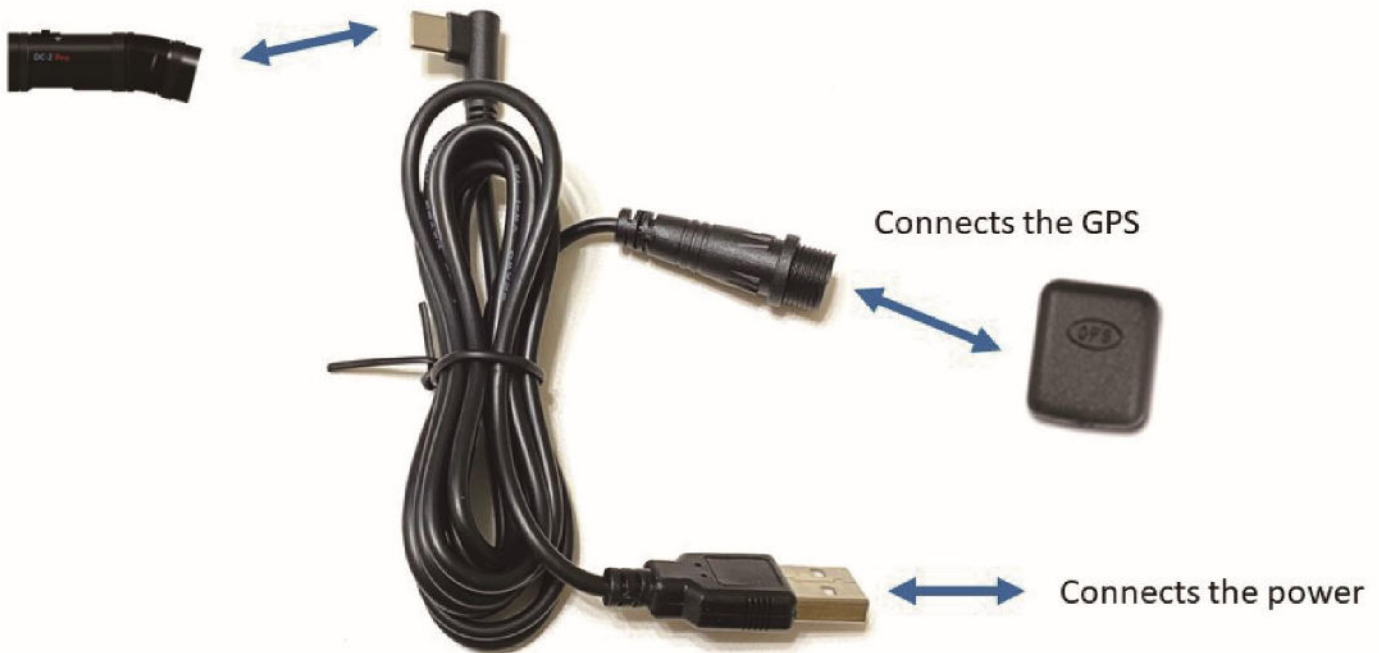
Functions

1. Use the GPS to record the speed and route.
2. Date & Time will be automatically updated when the GPS is connected.



GPS Installation

Type-C connects the **DC-2 Pro**

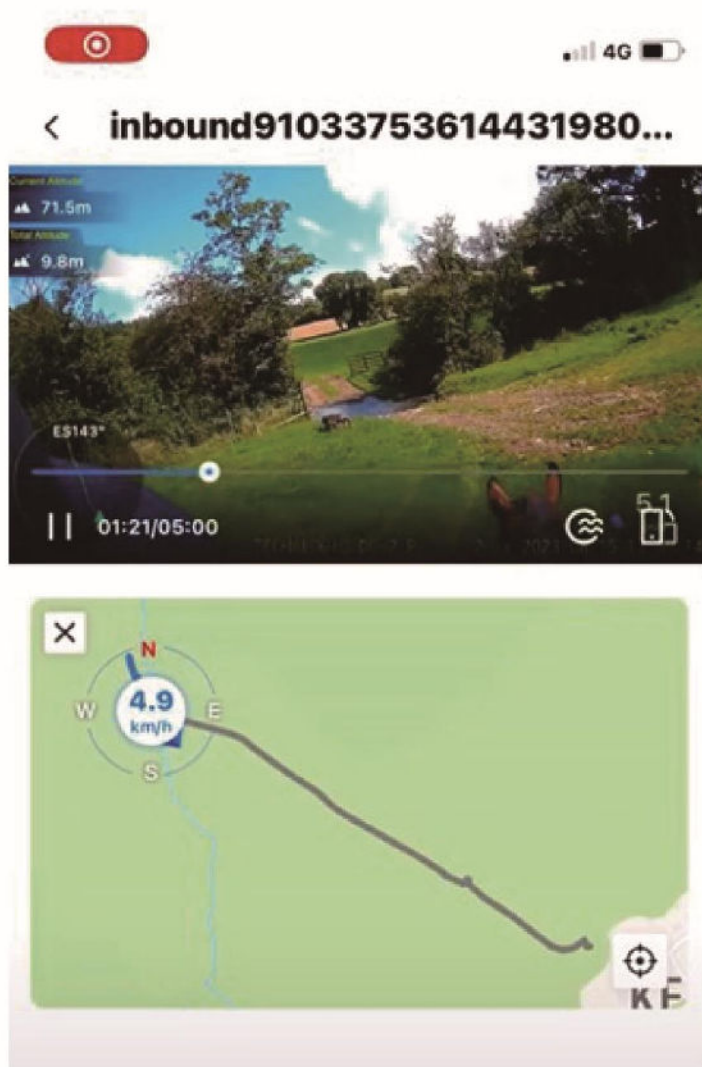


The GPS must be connected to the camera and the module open to the sky. The module must be placed 15/20 cm's from the camera to ensure no interference in connection.

To check that the GPS has connected to the satellite successfully, access the App and go to the live view. In the bottom right-hand side of the view is the water mark date and time etc. Here you will see mph.. if the mph is actually showing i.e. 0mph etc then connection is made. ---mph means that you have the GPs connected to the camera and its awaiting satellite connection.

Once connection has been established your travelling speed will be recorded along with date/time etc.

To view your journey on Google Maps, access the App. Select and download the video file. Once this has been transferred to you phones memory, when played you will view as below.



Remote Controller (Optional)

1. The controller is optional. The wireless design can be flexibly installed and used.
2. The camera and the controller will be automatically connected within 3 meters.



Use the APP via Wi-Fi (Viidure)

1. Download the Viidure APP to your phone.
(iOS App Store – Android Google Play)
2. After turning on the camera, press the key button TWICE to turn the WiFi on. Once the Wi-Fi is on, the blue Wi-Fi indicator light will flash.



Note

If the camera is not connected to the phone within 1 minute, the camera's Wi-Fi will automatically turn off. If the camera successfully connects to your phone, the camera's blue Wi-Fi indicator light will remain on (not flashing).

3. Go to your phone's Wi-Fi setting page, click the camera's Wi-Fi and enter the password to connect to it. The camera's Wi-Fi name will start with DC-2 PRO + SSID number. The password is 12345678. See *1 Image below

Note Please DON'T change the Wi-Fi name or the password to avoid connection errors.

4. Once the camera's Wi-Fi is connected to your phone's Wi-Fi, open the Viidure APP and follow the instructions to add the camera to the APP.
5. If successful, you'll see a camera in the Viidure app. Click ACCESS CAMERA, you can now use the app to control the camera, start / stop recording, take photos, view and download your videos, and more.
6. When the camera is connected to the APP (blue light is ON but NOT flashing), all operation (such as start / stop recording) should be done through the APP because the key button on the camera will be disabled when using the App.
7. To change the camera's settings, go to the APP then press the Camera Settings icon.

Note The camera will STOP recording when you're in the Settings page (the white light is on, but NOT flashing). Remember to go back to the main page, so the camera can continue recording (indicated by a steady flashing white light).

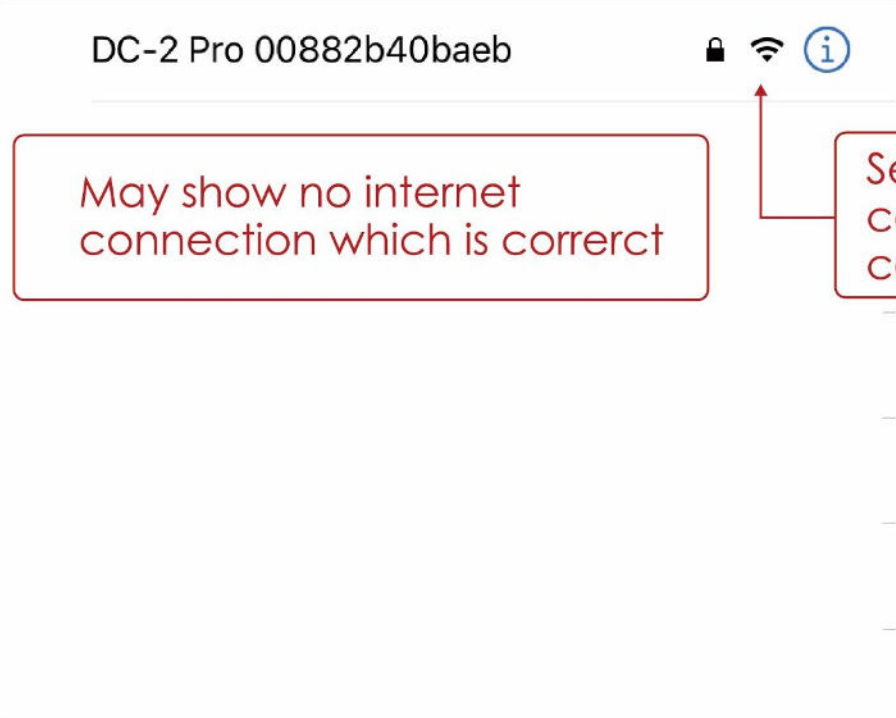
8. If the camera wakes from sleep mode, it should be manually connected to APP via Wi-Fi.

Connection is via Wifi not Bluetooth



May show no internet connection which is correct

Select to connect camera



Ask to Join Networks Notify >

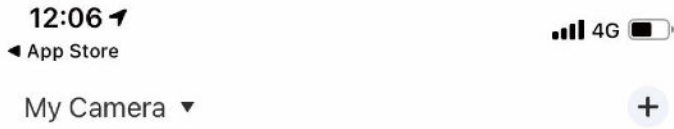
Known networks will be joined automatically. If no known networks are available, you will be notified of available networks.

Auto-Join Hotspot Ask to Join >

Allow this device to automatically discover nearby personal hotspots when no Wi-Fi network is available.

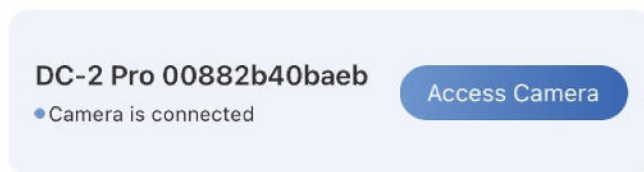
Viidure APP Operation

After WiFi is connected select 'Access Camera'



DC-2 Pro

Select to access camera



Camera

Album

More

Camera access page

Files saved to your phone

Set language & date format

Recording indication
Flash-record
Solid-Paused

DC-2 Pro 00882b40baeb



Select landscape or portrait

Live display setting. Picture in picture or front and rear only

Live display setting. Picture in picture or front and rear only

Start/Stop recording



Take photo



Camera Vedio/photo files

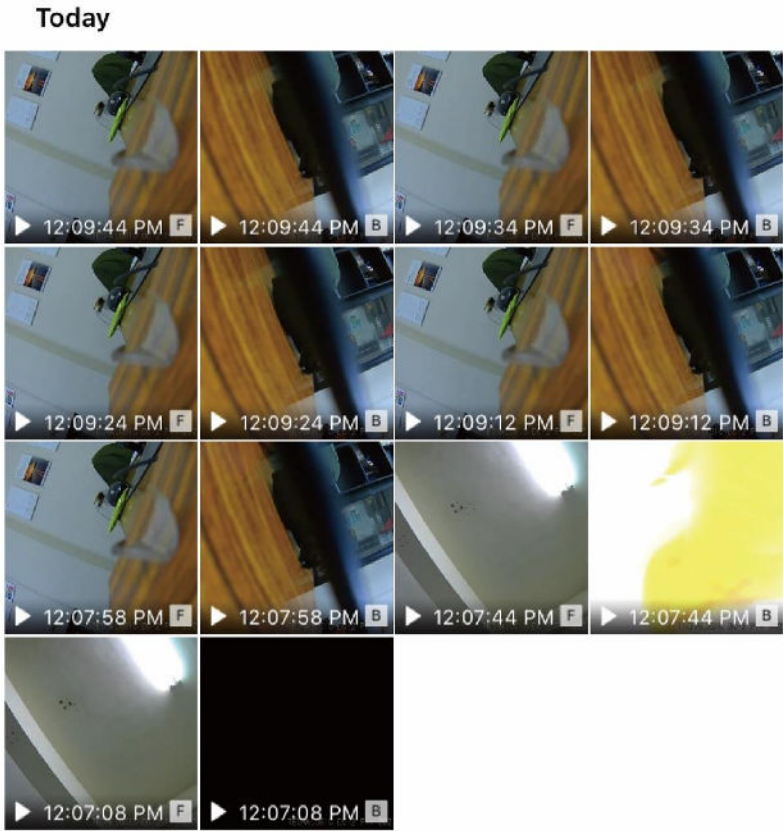
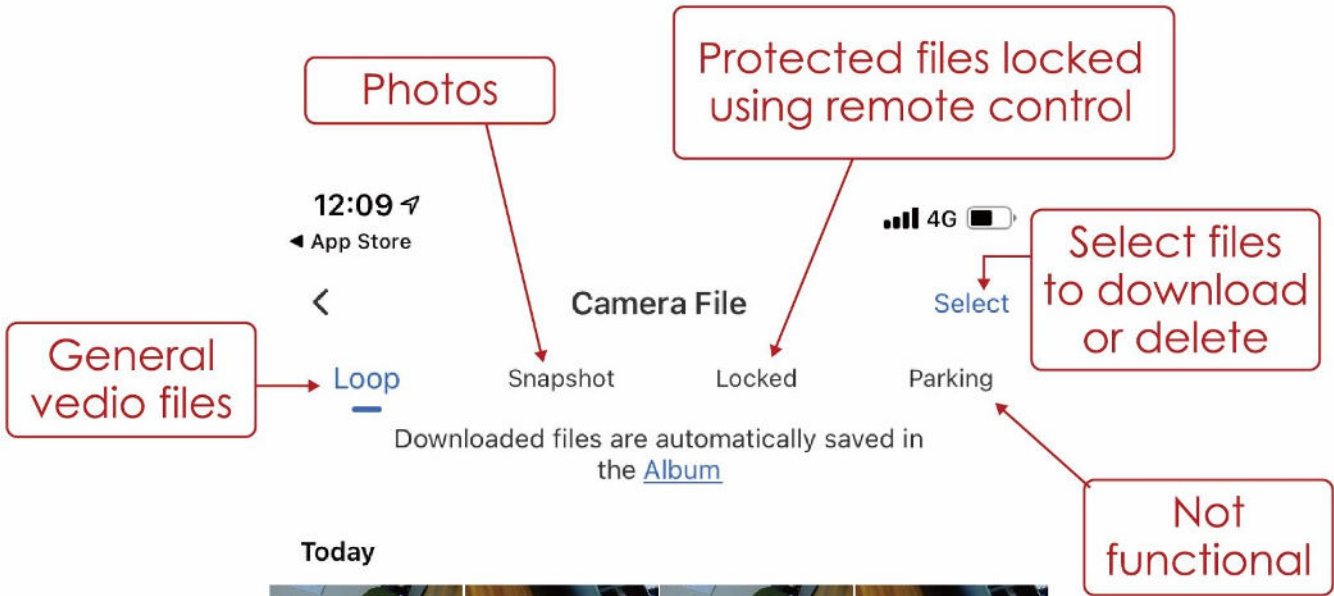


Camera File

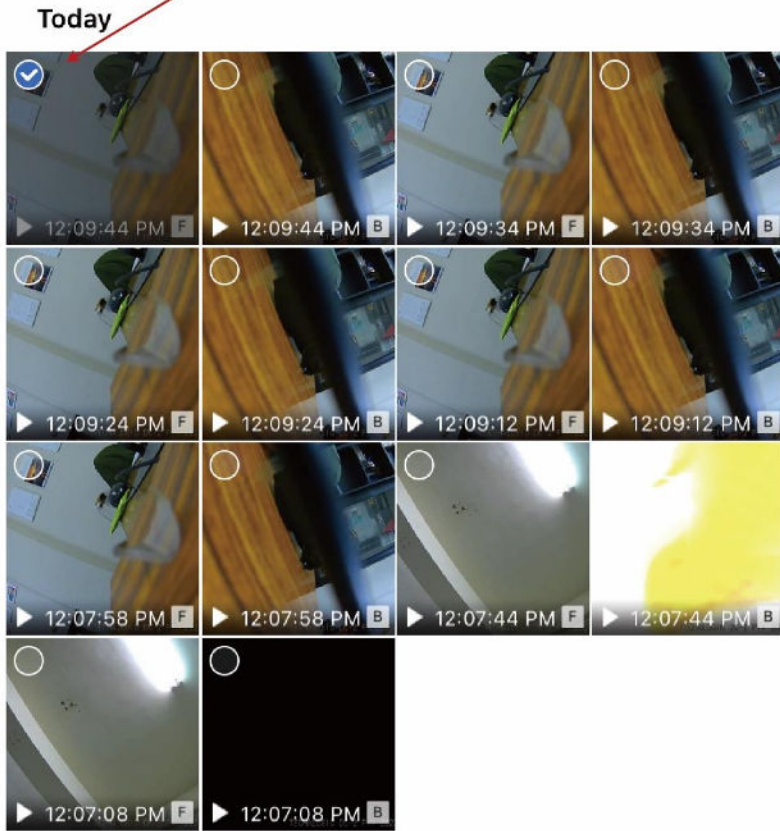
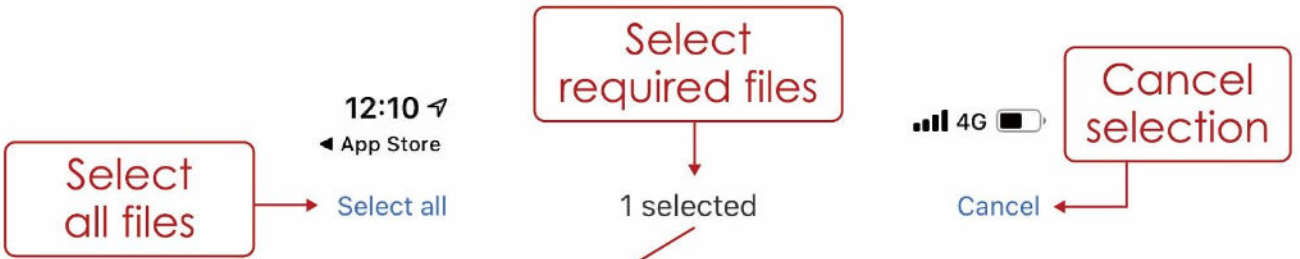
Camera settings



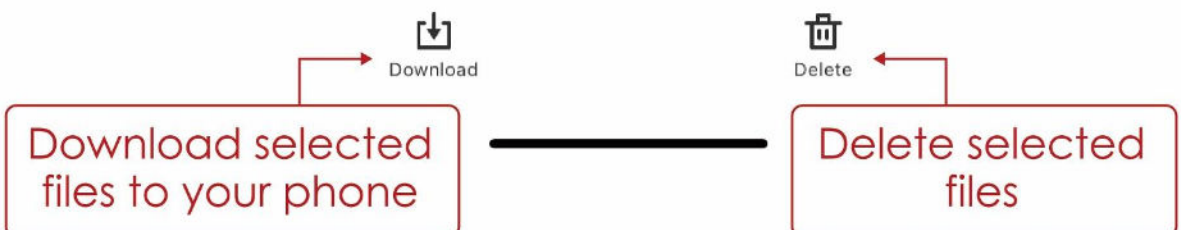
Camera Settings



No more



No more



Once you have selected the file to download you will get a %
countdown. As this is over WiFi connection,
it may take a short while.

File download

File is downloading, do not disconnect the camera

Download succeeded (0/1)



20230504120454_000001A.M
P4

5/4/2023 12:07:08 PM 168MB

36%

Cancel

Camera Settings

12:18 ↗



< Camera Settings

Video

Sound Recording



◀ Sound on/off

MIC sensitivity

High >

◀ Microphone sensitivity

Image Resolution

3M >

◀ Photo resolution megapixels

Video Resolution

QHD P30+QHD P30 >

◀ Select video resolution FHD-1080/QHD-2K

Loop Record Options

The duration of each recording, if the storage card is full, it will automatically be overwritten from the earliest video

3 minutes >

◀ Select loop record time sections or turn loop off

Exposure Compensation

0.0 >

◀ Manual exposure settings

Video Format

MP4 >

◀ Select MP4 or TS format

Rear Mirror



◀ Turn on/off rear mirror image

Time Stamp



◀ Turn on/off

Speed Unit

MPH >

◀ Select speed unit

Advanced

- Mode Motorcycle > ◀ Car mode-Camera auto on when powered
- Smart Power Saving ◀ When on camera goes to the sleep mode 3mins with no movement
- Driving Fatigue 1 hour > ◀
- ▲ Set buzzer/vibration alert

Camera Settings (Continued)

- Wi-Fi Name DC-2 Pro 00882b40baeb > ◀ WI-FI name
- Wi-Fi Password > ◀ WI-FI password
- Firmware Version DC-2 Pro V1.0 ◀ Current firmware version
- Format SD Card Left 29.2G/Total 32G > ◀ SD card capacity & reformatting option
- Default Settings > ◀ Return to default camera settings

FAQ's

Please be advised that based upon feedback from our customers we are always updating our online FAQ section on our website. Please visit our online support section below

<https://techalogic.co.uk/support/>

Q1: I can't connect the APP.

A: (1) Please check if you've turned on your phone and camera's Wi-Fi. Is the camera's blue light flashing? If the blue light doesn't appear, it means that the camera's Wi-Fi is not turned on. Turn on the Wi-Fi by quick pressing the key button twice (the blue light will be flashing). Find the camera in your phone's Wi-Fi settings page and connect to the camera.
(2) Please check that you connect to Wi-Fi, and not Bluetooth.
(3) Please check the flashing of the lights, if you see 3 lights flashing quickly, this means that the camera can't detect the memory card. Format the memory card by pressing the key button 5 times, then connect the Wi-Fi again.

Q2: The camera turns off automatically.

A: (1) Please check if the memory card is inserted properly.
(2) The camera has an auto sleep/wake mode to save the battery power, please check if the camera is in the sleep mode.
(3) Please check if the memory card has enough space for saving the recording files.

Q3: Update the Firmware of the camera.

A: If a new firmware is available, (1) you can download it from the DC-2 Pro support page on the website.

Q4: Set the date & time.

A: When you connect to Wi-Fi, this will auto update, so you don't need to set it manually.

Condensation Notice

1. Due to the robust sealing of the DC-2 Pro to weatherproof camera, there is no air to flow in or out of the camera. It is normal that condensation can sometimes form on the lens case when a dramatic temperature or humidity changes. You may twist open one side of the lens case to let the condensation dissipate.
2. Remember to fasten the case back to avoid any future moisture damage.
3. This camera has completed internal moisture removal before being shipped out from the factory. Condensation won't affect the camera's functions.

If you need any further assistance

Email tech@techalogic.co.uk

Tel 0330 2233108

TECHALOGIC™

Thank you !! Techalogic Team