Gotrec

DVR A2pro User Manual

Thank you for choosing Dual Camera DVR. For proper usages and application, please read this manual thoroughly before using this product.

Content:

1. Feature:
   …………………………………………………………………………………….
2. Precaution:
   …………………………………………………………………………..
3. Appearance and Parts:
   ………………………………………………
4. Operation Instruction:
   ………………………………………………
5. Application:
   …………………………………………………………………..
6. Specification:
   ………………………………………………………………….
7. Troubleshooting:
   …………………………………………………………
8. Accessories:
   …………………………………………………………………..

1. Genuine product of Car DVR performance is compiled to genuine manufacture requirement.
2. Dual Full HD Front /Rear camera.
3. Front Camera use 140-degree wide angle Lens to capture every moment.
4. Rear camera use 120-degree wide angle Lens to focus the key image.
5. WDR function improve the good video quality.
6. Built-in G-sensor, the device will automatically record the emergency record upon an even.
7. User friendly smart phone APP can link the derive via WiFi , user can share their happy video and pictures to social media.

1. Do not operate the Car DVR while you are driving.
2. The product is for safety driving only, it records the video when you are driving.
3. The best video capture quality for this product is around 2.5~10 meters.
4. The video quality may be reducing in extremely dark environment.
5. Please configure the date and time with APP in first time start the device and re-configure every month or replace the battery.
6. Tinted glass are not allowed on the camera area, to avoid affecting video quality.
7. Avoid touching camera lens, except for cleaning purpose.
8. Do nor disassemble the product to avoid damage.
9. To avoid malfunction, this product can only be installed/repaired by TCAT sales and service centre.
10. To avoid damaging the recorded video, please do not remove the Micro SD card during recording.
11. It is recommended to format the Micro SD card every three months, to prolong the Micro SD card's life span.
12. The video record file will have two files, one is normal video record file and other is emergency record file.
13. RGB three-color light status: press the WiFi key, turn on the WiFi, the green light flashes; when connected to the mobile phone APP, the green light is always on; turn off the WiFi, the green light is off The card is abnormal when the red light is on, and the blue light flashes during normal recording.
14. When manually stop the recording, the device will not automatically continue recording until restart the engine. User must manually restart the recording.
15. The warranty conditions of this product is 3 year.

Micro SD Slot

WiFi

Down

Up

Confirm

M

OK

LED

Menu

Operation Instruction

A. Key Functions

The keys and definitions are shown in the following table:

No	Button	Definition
1	M (Menu)	**Function 1: In recording mode / photographing mode, short press [Menu key / MEMU] to enter the main menu function setting table, short press [Up key / UP] or [Down key / DOWN] to select the option to be set in the submenu, short Press 【OK】 / OK**

		to confirm. After setting, press 【Menu key / MEMU】 shortly to exit the menu setting function **(Press OK button stop recording first.)**.
		Function 2: Mode key / MODE function
		In standby mode, press and hold [Menu key / MEMU] to switch between the three modes of recording mode / photographing mode / playback mode.
2	OK (confirm)	**Function 1**: start/Stop video / photo / play function
		In standby mode, short press [Confirm key / OK] to start recording, and short press [Confirm key / OK] again to stop recording.
		Take photo: In the photo mode, short press [confirm key / OK] to take a photo.
		Play Video: In the playback mode, short press [confirm key / OK] to play the file.
		Function 2: Confirm function
		In addition to recording mode / photographing mode, short press [Menu key / MENU] to enter the main menu mode, press [Up key / UP] / [Down key / DOWN] to browse, and press [OK] Key / OK] to confirm.
3	▲ (Up)	**Function 1: page up function**
		Page up function in menu setting and playback mode.
		Function 2: Manual emergency record, press "up "in video recording, the recording file will keep in emergency file fold.
		Function 3: Change front camera or rear camera in photographing mode.
4	▼ (Down)	**Function 1: page down function**
		Page down function in menu setting and playback mode.
		Function 2: Turn off the recording function
		In standby mode and recording mode, short press [DOWN / DOWN] to turn off the recording function. At this time, the icon at the bottom left of the screen becomes a prohibition icon to indicate that the

|		
		recording function has been turned off. Short press again to start recording, and the prohibition icon disappears.
5	Wifi 🛜	**One click to open WiFi connection,** **Configuration with APP: Press and hold for 3 seconds-configuration mode**

B. Video Interface
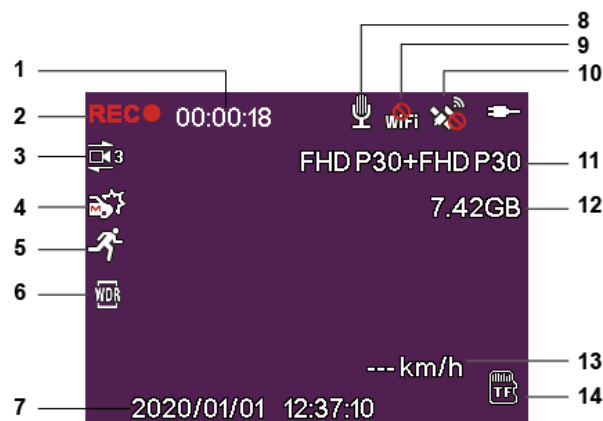
1. Current recording time

2. Video icon

3. Loop recording / 3 minutes

4. Gravity sensing / Medium

5. Motion detection ON

6 WDR ON

7. Current time

8. Mic audio recording

9. WIFI Status

10. GPS signal (optional)

11. Resolution Status

12. Memory card size

13. Speed status (optional-GPS support)

14. Memory card status

C. System Setting Menu Interface

In the recording interface (Under the state of stopping recording), short press [Menu Button] to enter the system function setting interface, short press [Up button] or [Down Button] to select the option that needs to be set and press [Confirm Button] to confirm ; Press [Menu Button] again to return to the previous menu.
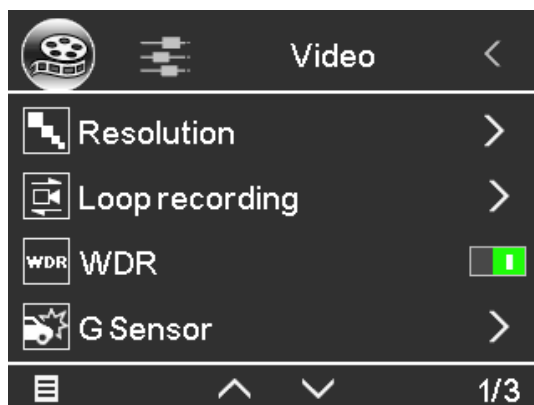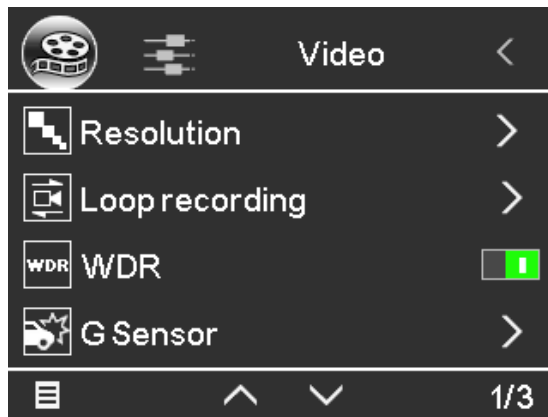
D. Camera Interface

1. On the recording interface (with the recording stopped), press and hold[Menu Button] once to switch to the camera interface.

2. Photograph: Short press [Confirm Button] to take a picture ;

3. Photograph setting: On the camera interface, press [Menu Button] once to enter the photo setting interface , short press [Up Button] or [Down Button] to adjust related setting and press [OK] to confirm.

E. Playback video / Picture interface

1. Enter the interface: On the recording interface (with the recording stopped), press and hold [Menu Button] twice to switch to the video / picture playback interface.

2. Playback: Short press [Up Button] or [Down Button] to select the video / picture to view. Press [OK] to play, short press [Menu Button] to return to the previous directory.

3. Delete file: In the playback interface, short press [Menu Button] once to delete / lock the video, etc. Short press [Confirm Button] to play, short press [Menu Button] to return to the previous directory.

F. WIFI Interface.

In the video recording mode, long press the [WIFI Button] to turn on the WIFI function. After turning on the WIFI function, press the [WIFI Button] shortly to turn off the WIFI.
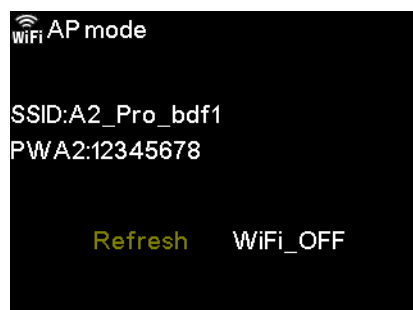
G. Function introduction

1.Use the automatic recording function
Start the car engine, the recorder automatically starts and turns on the recording function, and the video indicator flashes. Turn off the car engine, the recorder automatically saves the recorded content and shuts down. The recorded images are stored on the TF card in sections. When the TF card is full, the recorder will overwrite the previously recorded images. The recording time period can be set in the menu by yourself, and the range is 1 minute / 3 minutes / 5 minutes / close four files.

[Note] If you select any of the three files of "1/3/5" minutes, the recorder will overwrite the image recorded earlier when the TF card is full.

If you select "Close", the file will be saved in 3 minutes. It will not continue recording when the card is full.

2.Resolution
In the menu setting interface, the user can select the resolution of the recording, FHD P30 / FHD P30 + FHD30 / FHD P30 + HD P30. This setting is only for the front camera, and it is invalid for the rear camera.

3.Loop recording
In the menu setting interface, the user can select the editing time of the recording. The unit supports four modes of off / 1/3/5 minutes; the default is 3 minutes.

4.WDR
In the menu setting interface, the user can select WDR on or off. The system default is on.

5.G Sensor
This machine has a built-in G-sensor. If there is a serious vehicle collision, the recorder will lock the interrupted video at the time of the accident and save it as an emergency image. At the same time, the lock icon is displayed at the top of the display. The locked image will not be overwritten.

This function is medium by default.

[Reminder]
The G-sensor supports sensitivity adjustment. You can change the settings in the settings menu according to actual needs; locked videos will not be automatically overwritten and need to be manually deleted.

6.Motion detection
In the menu setting interface, turn on the motion detection function. When camera detect the motion status, the video is automatically saved for 10 seconds.

7.Exposure compensation
Users can increase or decrease the exposure intensity of the front camera according to the ambient brightness.

8.Video and audio
In the menu setting interface, the user can choose to turn on or off the recorded audio.

9.Date labels
In the menu setting interface, after opening the date label, the recorded video will display the date.

10.Parking monitoring (Based on G-Sensor detection)
When the parking monitoring function is turned on, in the power-off and shutdown state, if the car vibrates (the trigger sensitivity can be set in the menu as required), the recorder will automatically start recording for 20 seconds and then back to standby mode.

11.Time-lapse recording
Time-lapse recording frame rate is divided into three options: 1 frame / second, 2 frames / second, and 3 frames / second; when 1 frame / second is selected, when the car is off, the machine will take a picture every second and form a segment of 1 minute Video file for you to monitor in real time; if there is no memory card inserted, when the car goes out, it will not enter one second and one shot, the machine will automatically shut down.

There are four options of Time-lapse recording time: 2H / 8H / 12H / 24H. When 2H is selected, the system will automatically shut down after 2 hours of monitoring.

12.File format
The system has 3 file format options, MP4 / MOV / TS, and the default is TS format.

13.Time zone
The user can select the corresponding time zone according to the area used. The system default is GMT + 08: 00.

14.GPS DB(Optional)
This interface can view GPS positioning number and GPS signal value.

15.Date/time
In the recording or standby state, press System Settings to enter the system settings menu, and click the date and time option to enter the time and date settings. After adjusting to the current date and time, click the OK button to save.

Note: In order to effectively record the date and time of evidence collection for driving safety accidents, please set the correct time before using this machine.

16.Automatic shutdown
When the automatic shutdown function is set to 1 minute, the machine will shut down after 1 minute without recording and no operation; the system is turned off by default.

17. Screen saving
When the screen saving function is set to 30 seconds, the machine will automatically turn off the screen after 30 seconds without any operation. After the screen is closed, press any key to turn on the screen; the system defaults to off.

18.Key sound
In the menu setting interface, the user can choose to turn on or off the key sound; the system defaults is on.

19.Language settings
The system has multiple languages such as English / Thai / Malaysian.

20.AV Out
Support AV out function to link in car video system, the device LCD will off when use this function.

21.Formatting
This function will erase all the files of the memory card, please pay attention when using it.

24.Default settings
After the user selects this function, except for the clock, the system menu options will be restored to the factory settings.

H. Installation Guide (Based on the car mode will be designed)
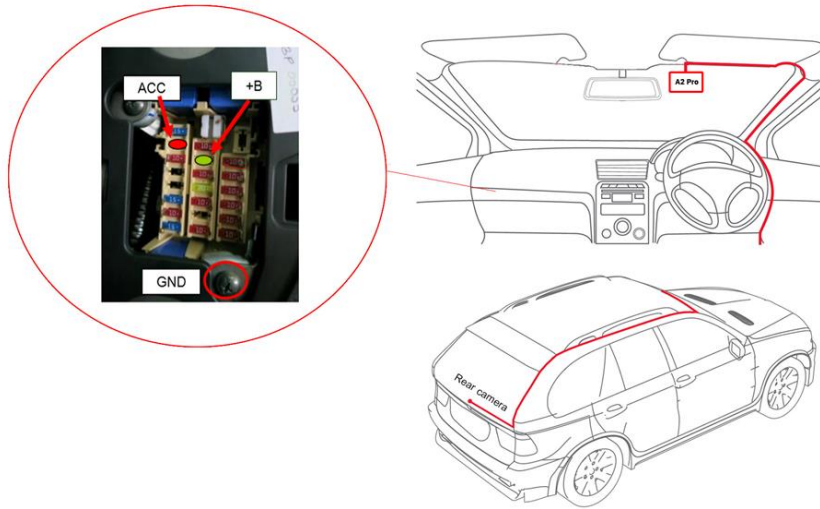
1. Shut down the car engine.

2. Insert the TF card into the recorder card slot.
[Note] Please use a high-speed TF card (Class10). The TF card supports a maximum of 512GB.

3. Connect the bracket to the host, and then fix the machine to the front windshield of the car.

4. Connect one end of the installation cable to the machine, and then connect the other end to the fuse box. Please connect as follows:

Black-GND

Yellow ---- B+ 12V (battery)

Red ---- ACC (+12V)

5. Install the rear camera on the back of the vehicle, pay attention to the direction when installing. The wiring can be laid along the roof of the vehicle. After installation, connect the rear plug to the rear camera interface of the recorder.

6. Adjust the lens position to ensure that the lens is level with the ground.

7. Start the engine and check if the machine is installed correctly.

[Note] When the machine is installed correctly, the display of the machine is on; the machine starts to enter the recording state, and the video icon flashes. Please pay attention to check whether the picture on the display is normal. If the picture displayed is inverted, please contact us in time.

Application Download

1. For the first time using the recorder, please scan the QR code below with your mobile phone to download the APP:


Android   Apple

2. After starting the car and turning on the recorder and entering working state, find the WIFI beginning with " **DVR_TC2**-**XXX** -****" in the phone settings, and enter the default password 12345678 to connect.

3. Enter the APP after the connection is completed, and the time of the recorder will be synchronized with the current mobile phone time. If the memory card is used for the first time on this device, you need to format the TF card on the APP.

Application operation instructions
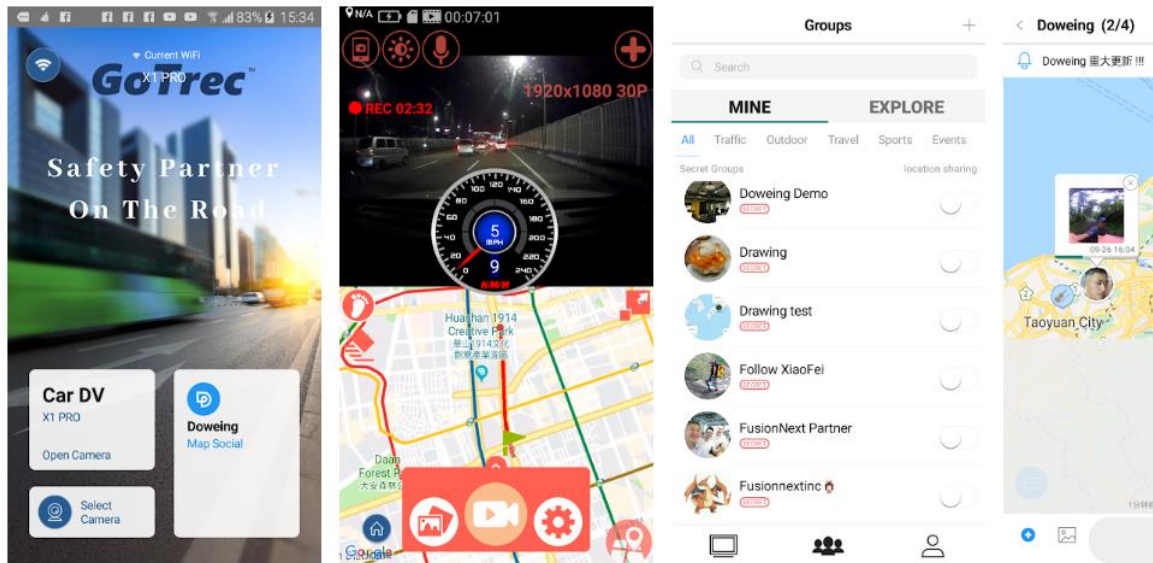
Specification

Processor and memory characteristics	
Processor Type	NT96675
Memory	1 Gbit (Built-in)
Flash	8 MByte
Display	IPS 2" HD Screen
External port	8 ~ 512G 10class TF card
Speaker	8 ohm 1 watt mono speaker
MIC	4015 Standard omnidirectional microphone
Features	
Front camera	IMX307 / 2MP 1080P / 6G+IR 140° 1920 x 1080 (30 f/s)
Photo	Support
Dynamic range adjustment	Support
Video format	MOV, MP4, TS
Picture format	JPG
Storage compression method	H.264
Language support	English, Thai, Malaysian
One second per shot	Support
G-sensor	Support
Loop recording	Support
Parking monitoring	Support
Working environment	
Temperature	-20 ℃ ~+ 70 ℃
Operating humidity	15 – 65% RH
Storage temperature	-40 ℃ ~ +80 ℃

Troubleshooting

If your device is not working properly, please check it as follows. If the problem cannot be solved, please contact our customer service centre.

Malfunction	Reason	Solution
Cannot boot	Bad cable	Contact reinsert cable
Cannot record	No memory card inserted	Insert memory card
	Memory card is damaged	Replace the memory card
	Insert card cannot meet the requirements.	Insert memory card required by the device.
No post recording	Post recording plug is loose	Tighten the rear recording plug
	Extension cable / rear camera is damaged	Replace the extension cable / rear camera is damaged

Accessories

Item	Description	Pictures
1	Main Device*1	
2	Rear Camera*1	
3	Power cable*1	
4	Rear Camera extend cable*1	

5	Holder*1	
6	Cable tube*1	
7	Warranty card*1	
8	User manual*1	
9	Micro SD Card 16G*1	

[Note] When the device installed successfully, the device display light; the device starts to enter the recording state, and the recording icon flashes. Please check if the picture on the screen is standard or not. If the display is inverted, please contact us in time.

Information provided in the instruction manual of the driving recorder is for reference only. Please refer to the physical machine during the use of the user. Our company does not assume any responsibility for fines or traffic accidents caused by the use of this product.

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 inte rference 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 interferenceto 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.