

User Manual for GoTrec A1 Nite

High-Definition MINI Car Dashcam

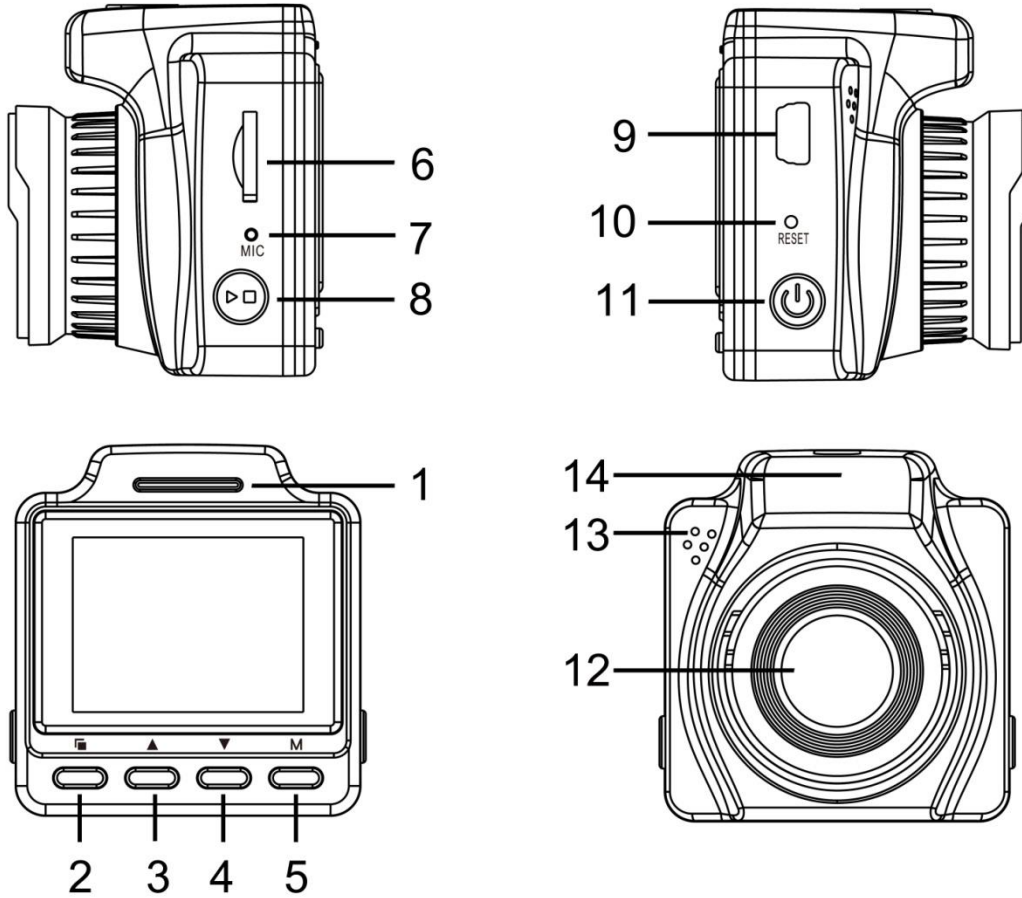
Product Features:

The car dashcam of our company is convenient for use in various scenarios for the purpose of taking photographs, video recording, voice recording and taking high-definition snapshots at anytime, anywhere.

- Seamless transition between files without missing any instant
- SOS emergency data protection functionality
- G-sensor recording clip locking functionality upon collision detection
- 1.5 inch LTPS TFT LCD
- High-definition wide-angle camera lens
- 4x digital zoom
- Video format: MOV
- Built-in microphone (speaker)
- Supports video recording while charging
- Supports high-capacity TF micro SD memory card
- Supports motion detection recording functionality
- Supports parking surveillance functionality
- Supports surge protection functionality during start up of the car
- Supports night vision (high-definition, black-and-white night vision, colour night vision, configurable)
- Built-in WIFI connectivity

Product Description

- Product Structure



1) Indicator light

3) UP button

5) Mode selection button

7) MIC voice recording receiver

9) USB data port

11) Power switch

13) Speaker

2) Menu button

4) DOWN button

6) TF card slot

8) OK confirmation button

10) Reset button





12) High-definition lens

Buttons and Functional Descriptions:

- 1) Status indicator
The blue indicator on the left will illuminate when the unit is turned on, and the blue light flashes during recording;
The red indicator on the right is illuminated when the unit is being charged, with the red light going off once the battery is fully charged;
- 2) Menu button
Press this button to bring up the menu for function settings;
Press this button repeatedly to switch between the settings;
During the process of recording, pressing this button will encrypt the current video file;
- 3) UP selection button
On the menu selection, use this button to move up the list;
On standby mode, this allows for digital zoom in
- 4) DOWN selection button
On the menu selection, use this button to move down the list;
On standby mode, this allows for digital zoom out;
Press this button during video recording to turn on or turn off voice recording;
- 5) Mode selection button
Press this button to switch between video recording/taking photo/playback
- 6) TF card slot
Memory card slot
- 7) MIC
Voice recording receiver
- 8) OK confirmation button
Confirmation button for recording and taking photograph. Under the video recording mode, press this button to start recording and press again to stop recording; under the photography mode, press this button to take pictures; this is used as the confirmation button under menu mode;

- 9) USB data port
The USB data port is used for (1) connecting with PC for data transfer; (2) connecting the external power source for battery charging or equipment operation;
- 10) Reset button
Button to reset the equipment if it is frozen.
- Power switch button
Press to turn the equipment on or off; in standby mode, press and hold (for more than 5 seconds) to turn on or off WIFI connectivity.

Description of Special Functions:

- G-sensor functionality
When gravitational acceleration ($1g = 9.80 \text{ m/s}^2$) is experienced, the equipment will automatically lock the recording clip and save the video captured during the incident into a file that cannot be deleted;
The option for G-sensor can be selected in the menu and this equipment provides the following settings: 4 levels of sensitivity for selection with Off, Low, Medium or High as options. Default factory setting is Medium;
- SOS function
When the  button is pressed during the process of video recording, the equipment will encrypt the current video and save it as a file that cannot be deleted. The screen will show the icon  when this happens;
- Turning on/off automatically
Enabling automatic power on of the equipment to start video recording once the ignition is on. Once the ignition has been switched off, video recording will be extended for a further 5 seconds before it is saved automatically and then the equipment turns off by itself;
- WIFI functionality
1. In the standby mode, press the function button  to go into the menu selection. Then select WIFI functionality and press  to confirm to go into the WIFI mode. The following will be displayed:



Through a dedicated APP on mobile phone, connectivity with this equipment can be established to allow for operations via the mobile phone.

Under the WIFI mode, press ▼ to select WIFI-OFF and then press the confirmation button ◻ to exit the WIFI mode.

2. In the standby mode, press and hold the power switch ⏻ for more than 5 seconds to go into the WIFI mode.

Under the WIFI mode, press and hold the power switch ⏻ for more than 5 seconds to exit the WIFI mode.

- Night Vision

Adding night vision option in the function menu




1. OFF to turn off the night vision functionality to enter the normal high-definition recording mode. Once the night vision functionality has been turned off, the 🚫 icon will be illuminated on the screen.

2. Colour night vision functionality: When the ambient brightness has become lower than a certain level and remain for more than 5 seconds, the equipment will automatically switch the IR CUT, and go into colour night vision mode. When the ambient brightness exceeds a certain level for more than 5 seconds, the equipment will automatically switch the IR CUT, and return into the normal high-definition colour mode. Once the colour night vision mode has been turned on, the 🌿 icon will be illuminated on the screen.



3. Black-and-white night vision functionality:

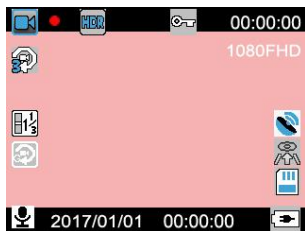
When the ambient brightness has become lower than a certain level and remain for more than 5 seconds, the equipment will automatically switch the IR CUT, and go into black-and-white night vision mode. When the ambient brightness exceeds a certain level for more than 5 seconds, the equipment will automatically switch the IR CUT, and return into the normal high-definition colour mode. Once the black-and-white night vision mode has been turned on, the 🌑 icon will be illuminated on the screen.



- Parking Surveillance Functionality

Press the  button and set the Parking Surveillance function in the menu. Select On and press  button to confirm. The icon  is illuminated once the Parking Surveillance functionality is activated. When the car is left on its own, upon sensing minor vibration, the equipment will automatically turn on and start video recording for 20 seconds before it switches off automatically (when the Parking Surveillance has been activated, the screen will not be illuminated while the equipment is turned on, but only the blue indicator is lit up).

Basic Operating Instructions for Video/Photography:

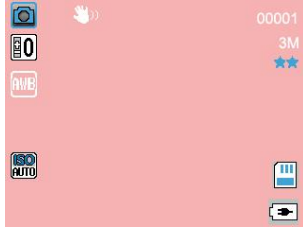
- Turning on and turning off the equipment
Press the  power switch to turn the equipment on. The blue indicator will illuminate when it is turned on;
- While the equipment is turned on, press the  power switch (recording must be paused if it is being used). The blue indicator will then go off;
- Video recording mode




Press the M button to switch to the video mode, as shown in the diagram above. Press  to start video recording, the recording icon  will start flashing and at the same time, the blue indicator will start blinking to go into the recording mode.

- Photography mode


Press the M button to switch to the photography mode, as shown in the diagram below:




Press  to take pictures. Every time the screen blinks once, a picture has been taken.

- Video/Photograph Playback

Press the M button to switch to the playback mode. The playback icon will appear on the top left corner of the screen;

Press the  button to scroll to the files above;


Press the  button to scroll to the files below;

Press the  button to playback the selected video file;


- Menu settings

Press the  button to bring up the settings menu;








By pressing  or  button, selections can be done within the settings;

Select the setting item to be updated, press the  button to go into that selection to make changes;

- Exiting the settings menu

Press the  button, to exit the settings status;

- Time setting

By repeatedly pressing the  button to go into the settings option, press  button to select date setting and then press  to enter into the selection. Press the  button to switch between year/month/day/hour/minute/second. Adjust the number as required using , , press  to confirm the changes.

USB Mode

Connect the USB cable to the computer and press the power on button. The car dashcam will automatically bring out the USB menu with the following options:

USB-Disk: Video or photograph files can be retrieved and saved using this mode.

Description for Battery Use

- Refer to illustrations below for battery status indicator:

Full battery power  Battery power is slightly lower 

Battery power is low  Battery is out of power 

- There are three ways to charge the battery. The red charging indicator will illuminate throughout the process of charging. The entire charging duration takes approximately 120 minutes. The red charging indicator will go off automatically once charging is completed.
 - 1: Charging using power adapter
 - 2: Charging using PC-USB
 - 3: Charging using car power source

Remark: When the equipment shuts down due to improper operations of the product, it can be returned to normal operation by removing the battery or pressing the reset button, and then power on again.

Product Specifications

Product special characteristics	High-definition camera lens, high-definition video recording
G-sensor	Built-in (Emergency saving of data in the event of accidents, without the data being deleted)
Dimensions of LCD display	1.5 LTPS 4:3
Lens	Wide angle lens of 145 degree, 6g, aperture F1.8
Language	Supporting languages of many countries
File format	MOV
Recording resolution	Built-in lens with 2 megapixels
Video recording format	H.264, Audio: AAC
Colour effect	Standard
Seamless loop recording	Seamless loop recording without missing any instant
Synchronised power on and off with car	Power on when car engine is ignited, delayed power off when car engine is switched off

Motion detection function	Supported
Time indication in year/month/day/minute/second	Supported
Memory card	TF (Maximum supported capacity 32GB)
Photography mode	12 megapixels
Photograph format	JPEG
Microphone	Supported
WIFI functionality	Connectivity with mobile phone enabled (optional)
High-definition night vision	Black-and-white night vision, colour night vision, configurable
Parking surveillance	Supported
Light source frequency	50Hz/60Hz
USB functionality	USB-Disk
Power source connection	5V 1A
Battery	Built-in 170mAh

Trouble Shooting:

- If the following problems occur under normal operating conditions, please refer to the solutions below:
 - **Unable to take photographs or record videos**
Check if the capacity of the TF card is sufficient or whether it is locked.
 - **Stopping automatically in the middle of recording**
Due to the large data size of high-definition videos, use high-speed TF card that is compatible with SDHC. High-speed TF cards carry the C4 or C6 mark.
 - **While replaying images and videos, “file error” is indicated**
Error in the process of saving materials on TF card, thus causing incomplete saving of file. Use the “formatting” functionality in the video camera to re-format the TF card.
 - **Blurry images produced**
Check if there is dirt or fingerprint on the lens; wipe the lens with paper before taking pictures or videos.
 - **Images look dark while taking pictures of the sky, water surface and in other settings**
Environments with significant contrast will affect the automatic exposure functionality of the camera. This is be rectified by adjusting the “EV” value in the settings menu of the equipment.

- **Colour output is somewhat lacking in cloudy environment and under interior lightings**

Check the “white balance” function of the equipment and set it as automatic.

- **Images with interference that appears as horizontal lines**

This is due to wrong setting for “light source frequency”. Modify the setting as “50Hz” or “60Hz” in accordance with the frequency of local power supply.

- **Equipment shutdown**

Press the reset button to reboot the equipment.

Parts Included Within the Packaging:

1. Multi-function high-definition car dashcam
2. MINI support
3. 5V, 1.5A high-capacity car charger
4. User manual for the car dashcam
5. USB data cable

FCC Caution:

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 interference received, including interference that may cause undesired operation.

Any 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 interference to 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.

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 & your body.