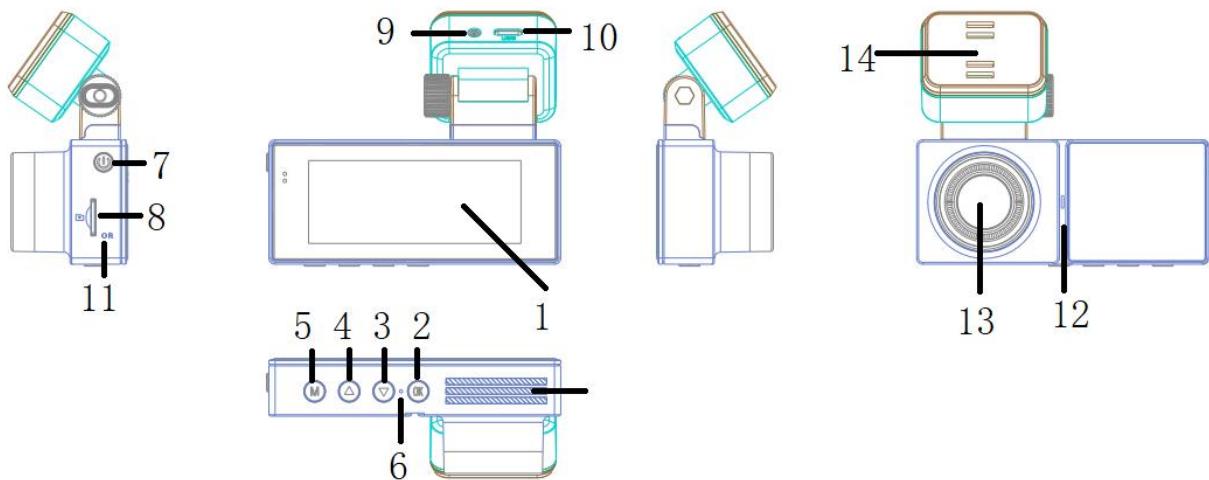


Product manual

- **Product structure**



1:Screen	2: OK	3: Down	4: Up
5:Mode/ Menu	6: MIC	7: Power	8: TF Slot
9: Back pull hole	10: Power connector	11:Reset	12: Horn hole
13:Lens	14: Hold	15: Vents	

Special Features Description:

- Do not leak seconds.
- 2K HD video.
- Time-lapse photography.
- Through the WIFI connection, using the phone to operate.

Time-lapse photography / video / photo basic operations and settings menu instructions:

- Camera mode

1. Plug in the car to open the opportunity to automatically start recording, the red camera icon in the upper left corner of the flashing at the same time the video light starts flashing, indicating the video work, auto power off 20s after the car charge off.

2. During video recording, you can press the key to turn off the audio (there is no sound in the video), press the up key to lock (the current video file is locked, the video will not be overwritten by the video in circulation).

3. G-sensor is set to open, the collision of the current video file locking machine during recording.

Video mode, press the menu button to enter the recording settings menu:

- 1) Resolution: Set the recording resolution (1080FHD/720P/WVGA/VGA) .
- 2) Loop recording: set the loop recording time(Off / 1 minute / 3 minutes / 5 minutes .
- 3) Light source frequency, set 50HZ/60HZ.
- 4) WDR: Set the WDR switch.
- 5) Exposure compensation: set the exposure value.
- 6) Motion Detection: Set the motion detection switch.

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

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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

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.

- 7) Video Audio: Set the video and audio sound.
- 8) Date Tag: Set video video watermark switch.
- 9) Gravity sensing: Set the gravity sensitivity (off / low / medium / high).

● Photo mode

After booting, in the recording mode, press the mode button to switch to the camera mode, short press the OK button to take the photo.

In the photo mode, press the menu button to enter the setup menu option:

- 1) Shooting method: set the camera / 2 seconds timer / 5 seconds timer / 10 seconds timer, such as set to 2 seconds timer, camera will take 2 countdown camera.
- 2) Resolution: Set the photo size (12M / 10M / 8M / 5M / 3M).
- 3) Continuous shooting: set triple burst switch, set to open, take pictures is a continuous shot 3 photos..
- 4) Exposure compensation: set the exposure value.
- 5) Date Tag: Set Photo Watermark (Off / Date / Date Time).

● Time-lapse photography mode

After booting, in the recording mode, press the menu button to enter the menu mode, press the button to select the interval recording, press the OK button to enter the interval recording setting, set the interval time, press the menu button to exit to the recording mode, press the OK button to start the time-lapse recording. If the time is reduced, the recording time is set to 500MS, 0.5 seconds to shoot one frame, 1080P30 mode to reduce time recording, and 15 seconds of recording time will jump for 1 second.

● Video / Photo Playback

Video mode, short press the mode button to switch to the camera mode, press the short press mode button again to switch the playback mode, you can browse photos and videos, press the up/down button to switch files, press the OK button to play back the video, long press the menu button Exit playback mode for 3 seconds.

In playback mode, you can press the menu button to enter the setup menu:

- 1) delete (you can delete the current file).
- 2) protection (you can lock the current file).
- 3) slide show (set slide interval play).

● In video mode / photo mode / playback mode, press 2 to enter the setting options:

- 1) WIFI: WIFI switch, the WIFI is set to open, you can open the WIFI connection.
- 2) Date Time: Set the local system time and date, you can change the date, such as: 2017/10/30 / 18: 00.
- 3) Auto Power Off: Set the power saving mode off time (off / 1 minute / 3 minutes / 5 minutes, if set to 3 minutes, no video, do not operate for 3 minutes after the auto shutdown).
- 4: Key sound: key sound switch.
- 5) Language Settings: Change the setting language.
- 6) Light source frequency: Set the power frequency (50HZ / 60HZ).
- 7) Screen saver: Set screen saver time (off / 1 minute / 3 minutes / 5 minutes).
- 8) Format: Format the memory card.
- 9) Default setting: Restore factory settings.

10) Version: Firmware version information.

- **USB mode**

After booting, connect the USB cable to the computer, the tachograph will automatically pop up the USB menu, the following options will appear:

Memory, in this mode can be video files or photo files access.

- **WIFI mode**

1. After turning on the camera, press and hold the key for 3 seconds without displaying the video. The LCD displays the WIFI name (SSID) and WIFI password (PWA2).
2. Open the smart phone WIFI, search for devices in the WIFI network.
3. The first connection to enter the password (12345678).
4. To be the correct phone connection.
5. The connection is complete, and then run the application: **RoadCam**.
6. Connected to the WIFI, open the Nova Cam, you can view the camera's viewfinder screen from the phone screen and control the camera taking pictures, videos, and from the camera memory card to download photos and video files to the phone memory and other related operations.
7. Enter the RoadCam APP and click on the camera icon in Recorder  mode to see the camera preview on the phone screen, take photos / videos and download photos and video files from the tachograph memory card to the phone memory operating.
8. Short press the OK button to turn off the WIFI.

Note:

1. APP no button to stop recording function (1. Switch to camera mode will automatically stop recording 2. Browse video / photos will automatically stop recording 3. Exit APP, tachograph will automatically start recording) .
2. The connection between the camera and the mobile phone is a one-to-one relationship. When connected to a mobile phone, it can no longer be connected to other mobile phones. If you need to connect other mobile phones, please disconnect the previously connected mobile phone and support Android 4.0 and IOS 10.0 or above phone.
3. WIFI mode mobile phone and the driving recorder the most suitable distance range is 5 meters.

Battery instructions

- Battery level indicator, please refer to the diagram:



Electricity sufficient



Low power



Low battery



Not enough power

- There are three ways to charge the battery. The red charge indicator will be on during charging. The whole charge time is about 180 minutes. The red charge indicator will turn off automatically after charging.
 - 1: Use the power adapter to charge.
 - 2: Use PC-USB to charge.
 - 3: Charging with on-board power.

Note: When using this product due to improper operation caused by the crash, press the reset button, press the power button to reboot, you can return to normal.

Product specifications

Display (LCD)	3.16inches (640*360)
Battery type / capacity	Polymer battery
Video format	H.264 MOV
Video size / Frame rate	2K/1080FHD/30fps
Photo format	JPEG
Photo size	3M (2048*1536) /5M (2592*1944) /8M (3264*2448) /10M (3264*2736) /12M (4032*3024)
Time-lapse photography	By setting the frame rate to be much lower than the frequency at which you can view continuous frames in general, you can concentrate the day in 10-minute movies.
Loop recording time	Loop recording settings: OFF / 1 minute / 2 minutes / 3 minutes / 5 minutes
The built-in battery discharge time	1080FHD video 10-15 minutes
WIFI	Optional
WIFI distance	Effective distance of 8 meters (video preview smooth)
G-sensor	support
Parking monitoring	Shutdown by impact / collision, can automatically boot and automatically record video 20s automatically shut down, the video file will be locked, will not be covered by the loop video
Memory card	Support TF memory card class10 8GB ~ 128GB
Phone APP	IOS/Android
USB transmission	USB2.0
USB Connection Function System Support	Microsoft Windows Xp, Vista, Win7, Win8, Mac
Operating Voltage	The local battery voltage: 3.7V, external car charger: DC 5V,
Car charger specifications	DC 5V / 1A
Storage temperature (°C)	(-20°C ~ +70°C)

