

# **4k Full HD Lens Dash Camera**

## **Instruction Manual**

**ZD46**



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## **Important Notice**

1. This product is intended for use in motor vehicle only. DO NOT install the camera where it might block the driver's view of road (including the mirrors) or the deployment of the airbag.
2. Before using this camera, please format the memory card in the computer (select 32 KB unit size to format it), then insert the memory card first, and format the memory card in camera menu.
3. This camera records video at high resolution, Be sure to use high speed Micro SD card, memory card with writing speed over Class 10 or above is recommended, 32GB or 64GB cards are recommended.
4. For safety reasons, this camera has a relatively small built-in battery. It's used only for parking monitor(optional) and saving the video file after external power supply cuts off( car turns off).
5. Be sure the camera lens is clean and there is nothing blocking the lens.
6. DO NOT leave the camera in direct sunlight for a long period of time or where the temperature could go above 170°F (75°C).
7. Back pull device/WIFI/GPS are optional, not including the standard configuration (GPS can internal or connect with the back pull device.)

## **Product Diagram**



1. Led Indicator
2. Port of holder
3. Screen
4. Mic USB port
5. Reset button (inside the hole)
6. Lens
7. Micro SD Card Slot
8. Power/Enter Button
9. Mode Button
10. Up Button
11. OK Button
12. Down Button

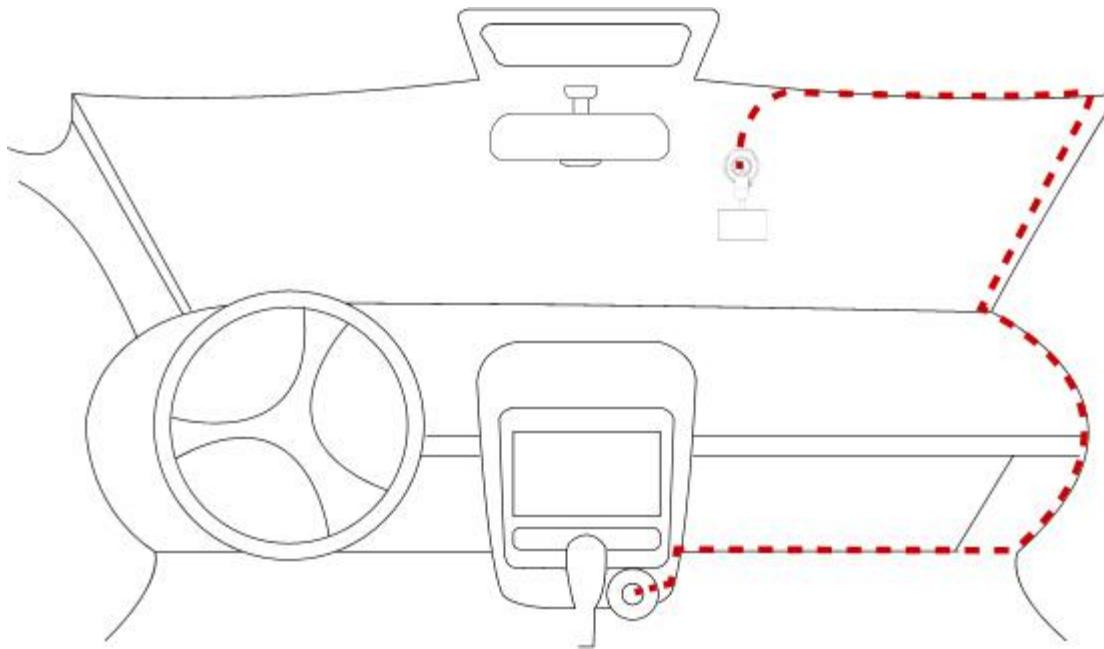
#### Button Function Explanation

Name	Picture	Function Explanation
Power/OK Button		<p>1. Power on (press this button for 3S), Power off (press this button for 3S)</p> <p>2. Short press Ok Button, confirm what you want to choose</p> <p>3. Recording video and photo, stop recording video. It recording video automatic when you charging. Press this button stop it, If you stop recording, it cannot recording video automatic, need to press this button</p>

		again to start recording.
Mode Button		<p>1. In standby, short press it to switch mode (photo mode, playback mode). When it is in playback mode, it will automatically start recording after press M button.</p> <p>2. During the recording process, short press M button to open/close microphone.</p>
Up Button		<p>1. Short press it to choose file or menu option by rolling.</p> <p>2. Short press it during the recording process, it will close WIFI function.</p>
Menu Button		<p>1. Press this button for a short time to enter into menu mode or exit menu mode.</p> <p>2. When it is recording, press this button short time, it will lock the current video file.</p>
Down Button		<p>1. Short press down button to choose file or menu option</p> <p>2. Short press during the recording process it will open the WIFI function.</p> <p>3. When you external another camera to record, short press it to switch the screen.</p>

When the machine is charged, it will record video automatically, if you want to end or stop recording, please press  button.

## Set up and Installation



1. Use the 3M holder sticker mount or suction cup mount to install the ZD65 dash cam on the windshield, recommended position is near the rearview mirror near the passenger seat, adjust both lens angle for best coverage.
2. Plug the included power adapter into the car cigarette lighter socket, the indicator will light up meaning power is on.
3. Connect the power adapter and the dash cam, and route the excess cable alongside the interior trim for better looking.
4. Start your car, the camera will automatically power on, check the lens angle and coverage, make sure all functions works well before going on the road.

## Function Description

### **Power on/off:**

1. Power on: The device will automatically enter video recording mode when press the Power Button  or connect the device to car charger.
2. Power off: Press and hold the power button  until "Goodbye" appears on the screen.

**After the car breaks down, the device will automatically power off when the car charger stops supplying power.**

### **Video Recording mode:**

1. Power on: The device will automatically enter video recording mode when press

the Power Button  or connect the device to car charger.

- The Red Indicator on front of unit will illuminate and blink.
- The recording icon  will change to red and blinking, it means the device is recording video normally.

2. Press the power button  will stop recording.

- The Red Indicator on front of device will stop blinking.
- The Red icon “” will disappear, it means the device has stopped recording.

3. Press the power button  again will start the device recording again.

#### **PhotoMode:**

1. When the device is in the standby state (when recording is stopped), press the mode button  about 2 seconds until the photo icon  appears on the top of the screen, it means the device is in the photo mode.

2. Press and release power button  to take a photo.

#### **Playback Mode:**

1. When the device is in the standby state (when recording is stopped), press the menu button  about 2 seconds until the photo icon  appears on the top of the screen, it means the device is in the playback mode.

2. Press the up/down button  to select your desired file. If you want to play a video file, please press the power button  to play video.

#### **Recording adjustments:**

- When recording video, press menu button  to lock the current file. The  will appear on the LCD Display. The locked file cannot be deleted.
- When recording video, press mode button , it will be close microphone, press it again will open microphone.

## **Setting**

## Video:

1. Press the menu button  to enter the Video settings menu.
2. Using the  /  Buttons to select and highlight the function you would like to adjust. Press the menu button  again to enter the subsequent menus.
3. Press menu button  again to enter the System settings menu.
4. Press menu button  again to exit the menu interface.

Press the power button  to enter or confirm the settings.

## Video Settings:

- Resolution (To set or reset the resolution of the video):  
● Options: UHD P30/FHD P30/UHD P24+FHD P30/QHD P30 + FHD P30/QHD P30 + HD P30/FHD P30 + FHD P30
- Loop recording  
Options: Off/1min/3mins/ 5mins/10mins  
Save the video for the setting time. When the card is full, the oldest video will be automatically overwritten.
- WDR  
Options: On/Off  
If WDR is on, the device can work in both brighter and darker areas at night.
- Exposure  
To set or reset the exposure level as desire. This will cause the video become dark or bright.
- G-sensor
- Options: Off/Low/ Medium/ High  
If the G Sensor is activate, when over limitation braking/shocking/vibration occurring during recording. The existing recording video file will be automatically entered to locked mode.
- Motion Detection  
● Options: On/Off  
If Motion Detection is on, the device will record a 15 seconds video when the sensor detects any movement in front of the device.
- Record Audio

Options: On/Off

Set to On or Off as desire. If set to Off, no sound will be record.

- Date Stamp

Options: On/Off

Set to On or Off as desire. If On is selected, the date and time will imprint and record on video.

- Exit

Press the power button  to Select OK to exit the setup menu

### System Settings:

- WIFI

Options: On/Off

Set or close WIFI. The method to connect WIFI you can check: **Install and use WIFI**

- Date/Time

- Set or reset the actual time and day.

- Screen Saver

Options: Off/15 Sec/30 Sec/1 min

If you set the screen saver time, the screen will enter blank screen according to the setting time to protect screen.

- DelayedPower Off

Options: Off/5 Sec/10 Sec /15 Sec

If you set the delayed power off time, when the device is powering off, the setting time will be extended and then power off to confirm the integrality of the last video.

- Beep Sound

Options: On/Off

To turn on/off beep sound when press the buttons.

- Language

Options: English/French/Spanish/Portuguese/German/Italian/Simplified Chinese/Traditional Chinese/Russian/Japanese.

To select the language you want. (On the screen display)

- Frequency

Options: 50Hz/60Hz

To set or reset the frequency of the AC power to reduce interference of fluorescent lights (In the USA and Canada, set it to 60Hz).

- Auto Power Off

Options: Off/1min/2mins/3mins/5mins/10mins

- GPS

Options: On/Off

This function GPS positioning, GPS track record, is a kind of live record.

Record, store and output the vehicle speed, time, mileage and other state information through the interface

- Time zone

Options:

GMT-12:00/GMT-11:00/GMT-10:00/GMT-09:00/GMT-08:00/GMT-07:00/G

MT-06:00/GMT-05:00/GMT-04:00/GMT-03:30/GMT-03:00/GMT-02:30/GMT

-02:00/ GMT-01:00/ GMT+00:00/ GMT+01:00/ GMT+02:00/ GMT+03:00/

GMT+04:00/ GMT+05:00/ GMT+06:00/ GMT+07:00/ GMT+08:00/

GMT+09:00/ GMT+10:00/ GMT+11:00/ GMT+12:00

- Speed unit

Options: Off/KMH/MPH

- Daylight Saving

Options: On/Off

- Parking monitor

Option: Off/Low/Medium/High

If the parking monitoring function is turned on, the device is power off.

When the vehicle is impacted by a certain amount of force, the device will automatically start for 15 secondsrecording, then automatically power off again. And it will start recording again at the next collision, and so on.

When the car starts, the recording will become normal long recording.

- Format

- This function will format (erase all data) the Micro SD Card.

- **Warning: When formatting the card, all files will be erased. Upload all files you would like to save to your PC BEFORE you start to format the card.**

- Default Setting

Reset all settings to factory preset. Please set it carefully, the original personalized setting parameters will not exist after setting.

- Version

- To check the device version.

- Exit

Press  to Select OK to exit the setup menu

### Photo Settings:

- Enter picture capture mode as instructed earlier.
- Press the  Button to enter the Picture settings menu.
- Use the  buttons to select and highlight the function you would like to adjust. Press the  Button to enter the subsequent menus.

- Press the  Button to enter the System settings menu.
- Press the  Button again to exit the menu interface.
- Press the  Button to enter or confirm the settings.

- Capture Mode:

Options: Single/2S timer/5S timer/10S timer

To set which Capture mode do you want to choose.

- Resolution (To set or reset the resolution of the photo):

Options:

- 12M (4032 X 3024 pixels)
- 10M (3648 X 2736 pixels)
- 8M (3264 X 2448 pixels)
- 5M (2592 X 1944 pixels)
- 3M (2048 X 1536 pixels)
- 2MHD (1920 X 1080 pixels)
- 1.3M (1280 X 960 pixels)
- VGA (640 X 480 pixels)

- Quality

Options: Fine/ Normal/Economy

To set or reset the quality of picture to Fine; Normal or Economy as desire.

- ISO

Options: Auto/100/200/400

To set or reset it to 100, 200, 400 or auto as the brightness of background.

- Anti-Shaking

Options: On/Off

To turn the Anti-Shaking function on or off as desire.

- Date Stamp

Options: Off/Date/Date&Time

To set or reset off, date, date time, if date&time is selected, the date and time will imprint on the picture.

- Exit

Press  to Select OK to exit the setup menu

### Playback Mode:

- In the photo mode, short press the menu button  to enter photo menu mode.

- Use the up/down button / to select the function you would like to adjust. Press the power button  to enter the subsequent menus.

- Press the  Button to enter the System settings menu.

- Press the  Button again to exit the menu mode.

- Press the power button  to enter or confirm the settings.

- Delete

Options: Delete Current/ Delete All

Deletes the current files, or all the files on the display as per the on-screen instructions.

- Protect

Options: Lock Current/Unlock Current/Lock All/Unlock All

The Protect function protects a file from being erased accidentally or loop recording to cover. To delete a protected file, it must first be unlocked.

- Slide Show

Options: 2 Sec/5 Sec/8 Sec

To set or reset the time which you play the file via slide show

- Exit

Press  to Select OK to exit the setup menu

**Install and use WIFI:**

1. Download APP “WITCAM” from App store and Google Play
2. Press to enter system to set up, choose WIFI and open WIFI, it will show SSID name and password in the led display, SSID name is NVT\_CARDVcc8cdaa50ee
3. Open phone set up, and find SSID name (default password is 12345678),input password, and connect WIFI.
4. Open app “WITCAM” in the phone, click and add the device , it can connect to dash camera, then control taking photos, recording by smartphone

**Install and use GPS player:**

To view the GPS map using a mobile phone APP, you need to download the video file in the Dash Camera to the mobile phone for normal viewing. Or put the video test on the computer, and use the GPS PLAY provided by our company to watch the driving track, longitude and latitude and other information.

**Connect Computer:**

1. Connect the supplied USB Connection Cable to the Mini USB Port on the side of the unit.
2. Connect the full size USB end of the cable to a USB Port on the Computer.
3. The unit will automatically power on and display USB modes: “Mass Storage”.
4. Wait a few moments, the storage folder for the unit will appear on the computer screen.
5. Follow the on-screen instructions to view, watch, upload or save the files to the PC.

**NOTE:**

**Compatible computer operation system: Windows XP; Windows Vista; Windows 7; Windows 8 and Windows 10.**

Video Resolution	UHD P30/FHD P30/UHD P24+FHD P30/QHD P30 + FHD P30/QHD P30 + HD P30/FHD P30 + FHD P30
Photo Resolution	12M, 4032 x 3024 pixels 10M, 3648 x 2736 pixels 8M, 3264 x 2448 pixels 5M, 2592 x 1944 pixels 3M, 2048 x 1536 pixels 2MHD, 1920 x 1080 pixels

	1.3M, 1280 x 960 pixels VGA, 640 x 480 pixels
Display Screen	2.0inch color IPS HD display
CPU	NTK96670
Sensor	GC4653
Sensor Pixel	5.M
View Angle	136°
Memory Card	TF card 256GB
Car Charger	DC 5V 2A
Storage	Video: MP4 Photo: JPEG
Working temperature	-20°~65°
Storage time for 8GB card	About 36 minutes
Storage time for 16GB card	About 72 minutes
Battery Life	About 10 minutes

## Specification:

**SPECIFICATIONS AND ACCESSORIES ARE SUBJECT TO CHANGE WITHOUT NOTICE**

### **FCC STATEMENT :**

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.

Warning: 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.

**FCC 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 & your body.