# zBlackBox-HD4

PROFFESINAL DASH CAM

# Contents

# Interface
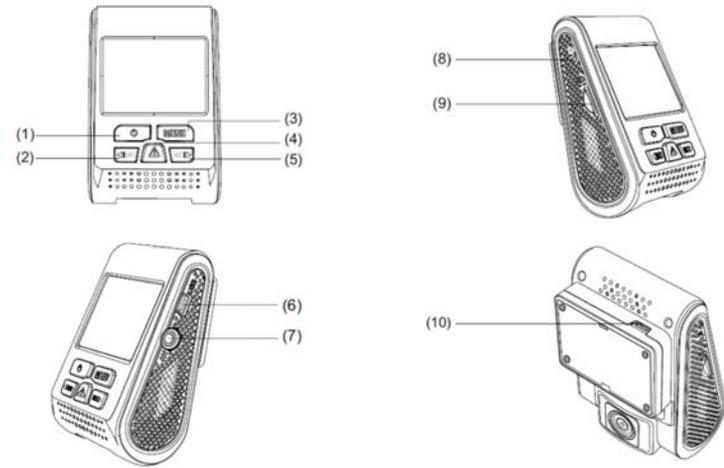


| 1 – **Power** | 2 – **Rec/Left** |
|---|---|
| 3 – **Menu** | 4 – **Emergency/Confirm** |
| 5 – **Mic/Right** | 6 – **USB Port** |
| 7 – **AV Out** | 8 – **Reset** |
| 9 – **MicroSD Slot** | 10 – **USB Port** |

# In the Box
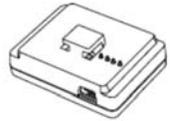


**GPS Mount**    **non-GPS Mount**    **Car Adapter**

**USB Cable**    **Cilps**    **Mount detaching String**

(GPS Mount is an optional accessory is and not included with the box unless purchased)

# Installation
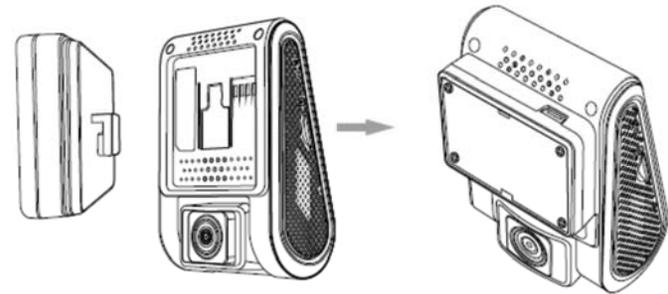


Slide either the GPS mount (**sold separately**) or the non-GPS mount into the slot on the back of the camera and push it up.

*(NOTE: GPS data can only be recorded while using the GPS mount. The GPS feature is optional)*



Peel of the protective paper from the mount to reveal the adhesive surface.
Press the adhesive surface to the point on your windshield you are mounting the camera to. Make sure the camera lens is not blocked by things such as a sun

# Installation
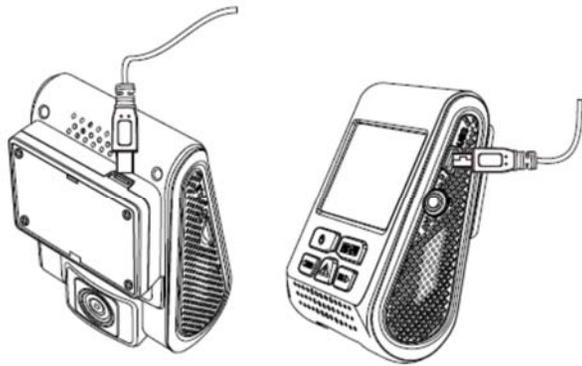


Connect the USB cord to the USB port on the top of the GPS mount. If you are not using the GPS mount, connect the USB cord to the USB port on the side of the camera.

NOTE: If you connect the USB cord to the side of the camera, even while using the GPS mount, NO GPS data will be recorded unless you connect the USB cord directly to the GPS mount. Connect the other end of the USB cord into the USB car adaptor and plug it into your vehicle's 12 socket.
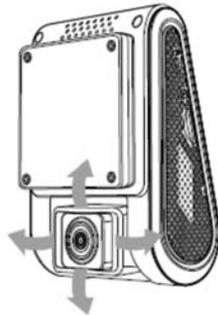


Adjust the position of the lens as shown so that the lens is facing directly forward and is even with the road.

# Operation

## LED Indicator

The LED indicator will change color to show different modes.
When the Power to the camera is on but it is not recording, the LED will be

RED. When it is recording the LED will flash green. the LED will also flash green when you install new firmware

## Buttons and Icons

| Mode | Buttons | Behavior |
|------|---------|----------|
| Stand-by Mode | ⏻ | To turn on/off device |
| | MENU | One click can enter setting menu |
| | ⚠ | Enter palylist |
| | ◁❚REC | One click can start recording |
| | MIC▷ | One click can turn off record volume, once again to turn on record volume |
| Recording Mode | ⏻ | One click can turn off the screen, once again to turn on the screen |
| | MENU | One click can capture a photo |
| | ⚠ | One click can lock the file being recorded |
| | ◁❚REC | One click can stop recording |
| | MIC▷ | One click can turn off record volume, once again to turn on record volume |

| Playlist Mode | ⏻ | One click can turn off the screen, once again to turn on the screen |
|---|---|---|
| | MENU | Back to previous menu |
| | ◁ REC | 1. To select the last video<br>2. To delete the video |
| | REC ▷ | 1. To select the next video<br>2. To lock/unlock the video |
| | ⚠ | 1. To enter the video selected<br>2. To play/pause the video |

| Setting Menu Mode | ⏻ | One click can turn off the screen, once again to turn on the screen |
|---|---|---|
| | MENU | One click can back to recording mode |
| | ◁ REC | To select the last feature |
| | REC ▷ | To select the next feature |
| | ⚠ | To enter the feature selected |

# Operation

## Screen Info



| | |
|---|---|
| Recording Mode | |
| 00:00:00 Recording time | |
| 1080P60 Video resolution | |
| ● Recording Status | |
| ⚠ Emergency Lock | |
| Microphone | |
| SD Card | |
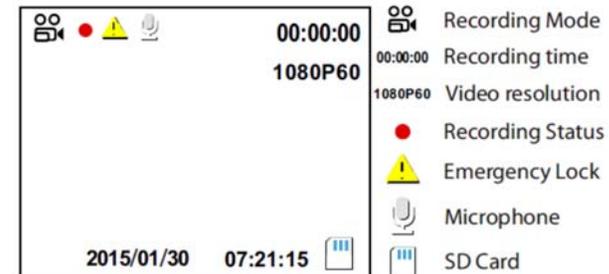
## Starting Up
Insert the MicroSD (Sold Separately) card into the SD card slot. Connect the camera to your vehicle's 12v power socket. When you start your vehicle, the camera will automatically turn on. When you turn your vehicle off the camera will automatically shut off.
NOTE: Some vehicles provide constant power via the 12v socket while turned off. If your vehicle does this, you will need to manually turn the camera on and off with the POWER BUTTON. Hold the power button for 5 seconds to power on and off.

## Recording
By default the camera is in LOOP RECORDING mode. It will record video clips until the memory card is full, and then it will record over the oldest video clip. You can change this setting in the SETTINGS MENU

To record while parked, you can choose from recording modes; TIME LAPSE which will take photos slowly over time and MOTION DETECTION which will take video when motion is detected. See Page 9 on setting these modes.

### Emergency Recording
When an extreme force such as sudden stop or collision is detected the camera will save the current clip as an emergency recording that will not be overwritten by loop recording until you choose. You can manually save your current video as an emergency recording by pressing    .

## Muting Audio
At any time, press the MIC button to mute any sound from being recorded to your videos.

# Settings

Press the MENU button while in STANDBY MODE to open the SETTINGS MENU. The settings available are as follows.

| | |
|---|---|
| **Resolution** | Setting video resolution of footage recorded, 2560x1440P 30fps, 2304x1296P 30fps, 1920x1080P 60fps, 1920x1080P 30fps, 1280x720P 120fps, 1280x720P 60fps, |
| **Loop Recording** | Choose the length of your video clips. If you choose OFF you will deactivate LOOP RECORDING and when your memory card is full, recording will stop. |
| **Exposure** | Change the amount of light picked up by the video sensor. Adjust the value of the EV (Exposure Value) to obtain better recording results under different light sources. Range is from -2.0 up to +2.0. Default is set at 0.0. |
| **WDR** | (Wide Dynamic Range) video in low light will appear clearer, but overall video quality may be reduced at times. |
| **Time Lapse Recording** | Choose a length of time between still photos that will be taken automatically while not in RECORDING MORE (good for leaving your car parked) Leave this in OFF when you do not want to take time-lapse video. (NOTE: the camera requires constant power to use this mode.) |
| **Motion Detection** | Turn motion detection on or off. While on, the camera will record video only when it detects movement. (NOTE: the camera requires constant power to use this mode.) |
| **GPS** | Manually turn GPS data on or off. |
| **Speed Unit** | Choose if you want MPH or KMH displayed on your videos. |
| **G-Sensor** | Set sensitivity of the sensor that will detect a collision or sudden stop. |
| **LDWS** | Lane detection warning system camera will beep when it thinks you have drifted out of your lane |
| **FCWS** | Forward collision warning system. The camera will beep when it thinks you are too close to an object in front of you. |
| **Date Stamp** | Choose if you want the date and time to be stamped onto your video clips. |
| **Model Stamp** | Choose if you want the model of the camera stamped onto you video clips. |
| **Record Audio** | Choose the default setting for recording audio in your video clips. (You can change this while recording with the MIC button) |
| **Screen Savers** | Choose if you want the screen to turn off after three minutes or stay on. |

| | |
|---|---|
| **Date/Time** | Set the current Date & Time |
| **Time Zone** | Set your current Time Zone |
| **Language** | Set Display Language |
| **LED** | You can set the LED OFF or ON |
| **Beep Sound** | Toggle Menu sound on and off |
| **Frequency** | Set Light Frequency (Continental US Set to 60HZ) |
| **Format** | Complete erase all files from the memory card Format Warning - Set a monthly reminder to format the memory card (it's good to do this every few months) |
| **Default Settings** | Return all settings to factory default |
| **Car No** | Set a name or number to be stamped on the video that shows the place of your vehicle (Great for Large Fleets) |
| **Customize Text** | Choose any text to be stamped into your video |
| **Version** | View the current firmware version |

# Playback

## Playback on Camera

In STANDBY mode, press the ⚠button to open your video playlist. Use the ◀REC button and MODE▶ button to select a video to play back.  Press the⚠ button to play and pause. Press MENU to go back.

## Playback on Computer

Connect the camera to your computer with the USB cable. The camera will appear on your computer as a removable drive. You can also remove the SD card from the camera and connect it to your computer with a SD card reader.

Enter the removable drive. Inside is a folder called DCIM. Open DCIM.

*Inside are three folders.*

**MOVIE** - This folder contains your video clips

**EMR** - This folder contains clips saved in EMERGENCY MODE

**PICTURE** - This folder holds pictures taken manually

**IF YOU PURCHASED THE OPTIONAL GPS RECEIVER PLEASE**
GOTO
**WWW.ZETRONIX.COM/DOWNLOADS**
TO DOWNLOAD SOFTWARE AND INSTRUCTIONS

# Contact Us

**Still Have Questions?**

## Do NOT return your camera!

# We will HELP!

**For additional assistance contact Zetronix Tech Support**

| By Phone | (877) 644-7592 |
|----------|----------------|
| By Email | support@zetronix.com |
| On the Web | http://help.zetronix.com |

# 1 Year Limited Warranty

Zetronix Corporation ("Zetronix") warrants this product against defects in material or workmanship as follows:

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