

# **HYPERION<sup>®</sup>**

BY DelIran

## **INSTRUCTION MANUAL FOR THE ROAD GUARDIAN AUTOMOTIVE DASH CAMERA**



040-1004-HY-WH



**Questions ?**  
**Call customer service hotline**  
**877-456-7901.**

**SAVE THIS OWNERS MANUAL AND READ BEFORE USE.**

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## **IMPORTANT SAFETY INSTRUCTIONS & WARNINGS**

- 1) **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for the Road Guardian Automotive Dash Camera, 040-1004-HY-WH.
- 2) Do not operate this product while driving a vehicle.
- 3) Do not install this product in a position that may obstruct a driver's view of the road.
- 4) Check with your local state or municipality for any laws that may prevent you from mounting this product to your windshield.
- 5) This product is not designed to be used by children.
- 6) Do not expose this product to direct sunlight or intense light.
- 7) Frequently check the product to ensure it is still located in the correct position.
- 8) Extreme road conditions may alter the position of the camera.
- 9) Do not use chemicals or solvents to clean the product.
- 10) The quality of the video may be affected by the road conditions and or the weather conditions outside, such as sunlight or darkness. The presence of street lights may also affect the quality of the video.
- 11) Hyperion® is not responsible for the loss of any recorded video during operation.
- 12) This device is intended for use only on the inside of a vehicle only.
- 13) Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock, or injury to persons.
- 14) Any modifications to the product will void the warranty.
- 15) This product is not guaranteed to record all events. Use this product for reference only when investigating incidents or accidents.
- 16) Hyperion® is not responsible for any loss caused by an accident or for providing any support regarding the outcome.

# PRODUCT OVERVIEW

Below is a list of items that should be included in your retail box:



1



2



3



4



5



6

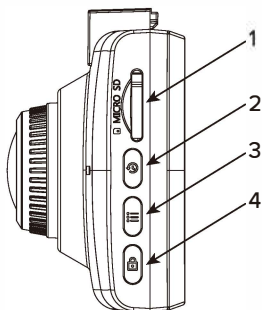


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- 1) Dash Camera
- 2) Mounting bracket with GPS module
- 3) 12V/24V USB charger
- 4) 16GB memory card and adapter
- 5) Mini USB cable for data transfer to computer or Laptop
- 6) Instruction manual
- 7) Quick guide

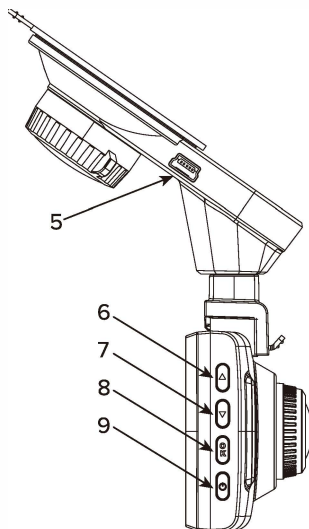
## CAMERA FEATURES

### ◆ Side view



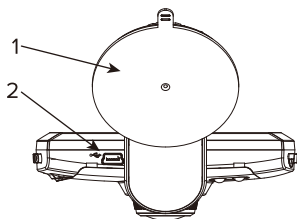
- 1) Memory card slot
- 2) Mode selection button
- 3) Press button to access menu
- 4) Press button to lock or unlock the current video

- 5) Charging port
- 6) Up button
- 7) Down button
- 8) OK button
- 9) Power button



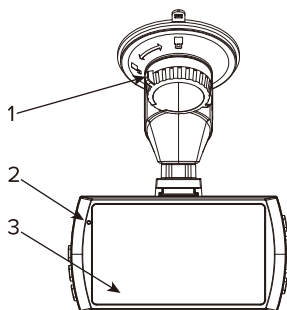
### ◆ Top view

- 1) Suction pad
- 2) Mini USB port for data transfer to computer or Laptop

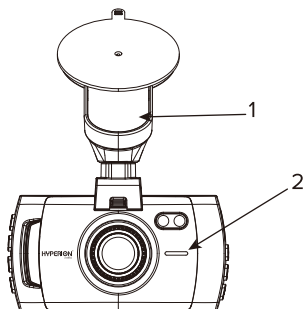


### ◆ Back view

- 1) Locking knob
- 2) Power/working indicator
  - Power on and ready for recording
  - Recording on
- 3) Screen



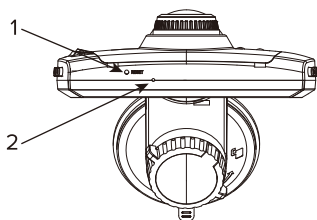
### ◆ Front view



- 1) GPS module
- 2) Speaker- Outputs the voice notification to indicate the product's status

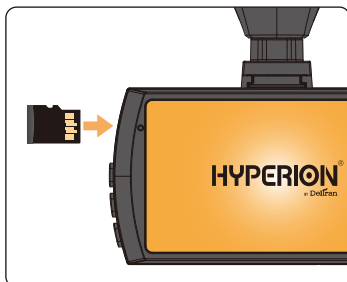
### ◆ Bottom view

- 1) Reset button
- 2) Microphone- Used for voice recording

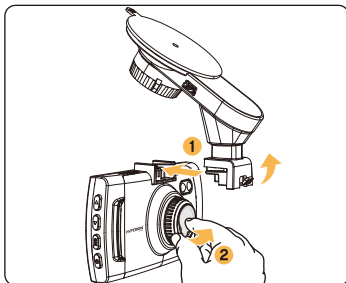


# INSTALL THE HYPERION® DASH CAMERA

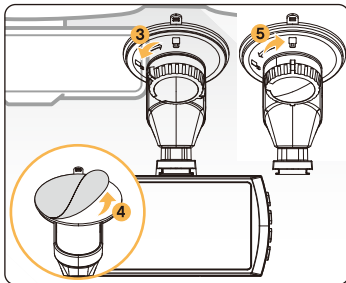
- 1) Ensure that the memory card has been inserted in the correct direction. The metal contacts on the memory card car facing towards the screen of dash camera.



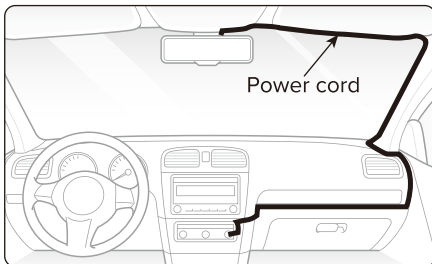
- 2) Gently slide the dash camera along the connector on the mounting bracket (1). Then, carefully remove the protective film from the lens (2).



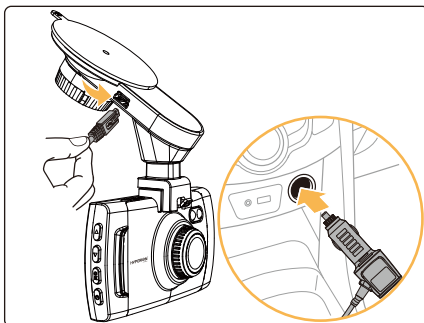
- 3) Turn the knob horizontally to unlock (3) and peel off the protective film from the suction pad (4). Position the mounting bracket on the windshield and press tightly to secure position. Once positioned, turn the knob vertically to lock in place (5).



- 4) Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord.



- 5) Plug the power cord into the cigarette lighter socket and the dash camera.



- 6) Turn on the engine. The dash camera will power on and start recording. Video files are stored on the memory card. When the memory card fills up, the newest video files will start to replace the oldest video files (called loop recording) – so you will always have the most recent video files.

**NOTE:**

- \* **HYPERION® DASH CAMERA SUPPORTS UP TO 64GB MICROSD MEMORY CARD WITH A SPEED RATING OF CLASS 10, UHS-1 OR HIGHER.**
- \* **THE LOCATION AND SPECIFICATIONS OF THE POWER SOCKET MAY DIFFER BY VEHICLE MAKE AND MODEL.**
- \* **IN CERTAIN VEHICLES THE CIGARETTE PORT CONTINUES TO SUPPLY POWER EVEN WHEN THE VEHICLES IGNITION IS OFF. IF YOUR VEHICLE IS CONFIGURED LIKE THIS YOU WILL NEED TO DISCONNECT THE CAMERA TO PREVENT THE VEHICLES BATTERY FROM DRAINING. CHECK THE VEHICLES OWNER'S MANUAL FOR DETAILS.**

# RECORDING MODES AND VIDEO FILES

Your dash camera will automatically power on and start recording when it is connected to a power source.

## ⚠ CAUTION

Wait until the product is completely booted up after turning it on, and then begin operating the vehicle. The video recording does not begin until the product is completely turned on (booted up).





1) There are 4 recording modes of hyperion dash camera, as following:

Crash detected	While driving, Built-in G-sensor automatically records and locks video file when a collision or crash is detected. The videos will be stored in the " <b>Event</b> " folder.
Loop-recording	The dash camera records seamless video clips automatically and stored in the " <b>Loop-record</b> " folder. Once the memory card is full. The dash camera overwrites older files in order to maintain uninterrupted recording.
Parking	While parking, Built-in G sensor automatically records and locks video files when a collision or crash is detected. The videos will be stored in the " <b>Parking</b> " folder.
Photo	Capture photos instantly with a single touch. Take pictures of beautiful views and interesting situations. The photos will be stored in the " <b>Photo</b> " folder.

2) Video files storage locations

Videos are stored in the following folders on memory card according to their recording mode.

IN THE MEMORY CARD










Event

Loop-record

Parking

Photo

	Name	Date modified	Type	Size
This PC				
Windows ( C: )	 Event	2018/07/13 20:00	File holder	419,873 KB
Data ( D: )	 Loop_record	2018/07/13 20:00	File holder	919,873 KB
Data ( E: )	 Parking	2018/07/13 20:00	File holder	219,873 KB
Data ( F: )	 Photo	2018/07/13 20:00	File holder	219,873 KB

3) The video files are named according to the recording start date and time.

A file name is composed using the following format:

		YY	MM	DD	HH	MM	SS	
Event	EMER-	18	01	01	-	14	00	30 .MOV
Loop-record	FILE-	18	01	01	-	14	00	30 .MOV
Parking	PARK-	18	01	01	-	14	00	30 .MOV
Photo	IMG-	18	01	01	-	14	00	30 .JPG



4) Dash camera recording duration:

Memory card capacity	Resolution		
	1296P	1080P	720P
16GB	1 HR 50 MIN	2 HR 45 MIN	4 HR
32GB	3 HR 50 MIN	5HR 30 MIN	8HR
64GB	8 HR	11HR	16HR

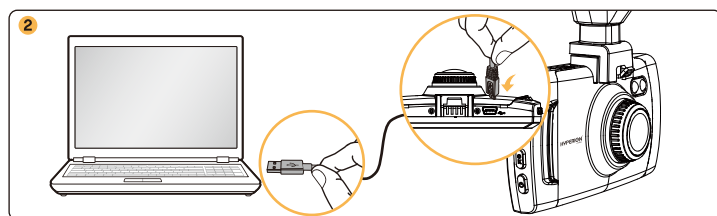
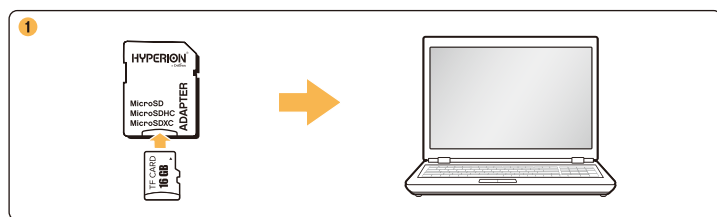
**NOTE:**

- \* HYPERION® DASH CAMERA SUPPORTS UP TO 64GB MICROSD MEMORY CARD WITH A SPEED RATING OF CLASS 10, UHS-1 OR HIGHER.
- \* ONCE THE MEMORY CARD IS FULL, THE DASH CAMERA OVERWRITES OLDER FILES IN ORDER TO MAINTAIN UNINTERRUPTED RECORDING.
- \* TOTAL RECORDING TIME IS DIFFERENT DEPENDING ON THE MEMORY CAPACITY OF THE MEMORY CARD, THE RESOLUTION OF THE VIDEO AND THE NUMBER OF SNAPSHOT PHOTOS SAVED ON MEMORY CARD.

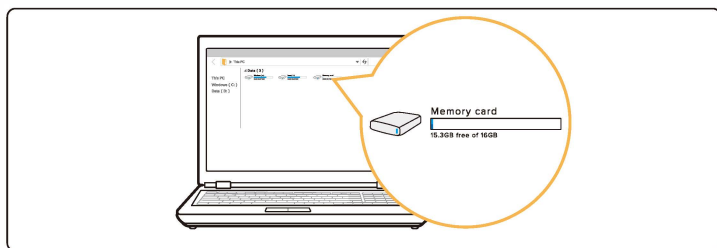
## VIEWING AND MANAGING VIDEOS ON PC OR LAPTOP

You can view and manage the recorded video on your PC or Laptop, follow the sequence on below:

- 1) Unplug the power cord and turn off the dash camera.
- 2) Connect the dash camera and PC or Laptop by using Mini USB cable included in the packaging (2), Or  
Gently press on the memory card to release the lock then carefully pull the memory card out from dash camera.  
Then use the included memory card adapter to connect the card to a computer.(1)



- 3) Open the memory card in you PC or Laptop, and uses any media player which supports to MOV file to play back the video.



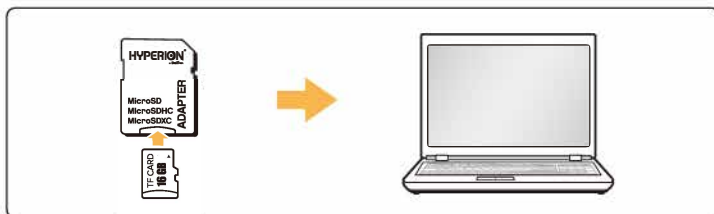
< This PC > Memory card				
	Name	Date modified	Type	Size
This PC				
Windows ( C: )	Event	2018/07/13 20:00	File holder	419,873 KB
Data ( D: )	Loop_record	2018/07/13 20:00	File holder	919,873 KB
Data ( E: )	Parking	2018/07/13 20:00	File holder	219,873 KB
Data ( F: )	Photo	2018/07/13 20:00	File holder	219,873 KB

## VIEWING AND MANAGING VIDEOS ON HYPERION® GPS MEDIA PLAYER

You also can view and manage the recorded video on your PC or Labtop by using Hyperion® GPS media player as the sequence on below.

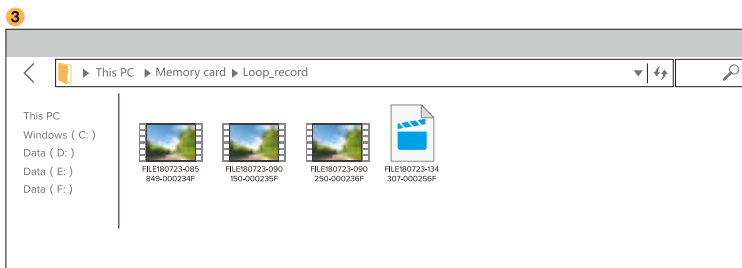
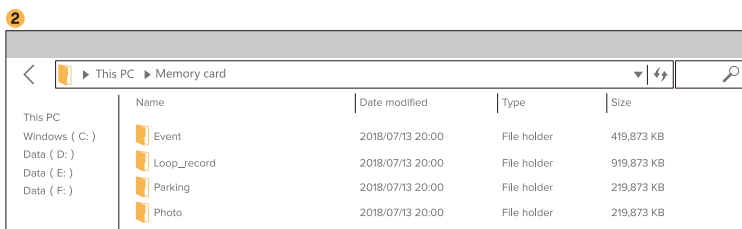
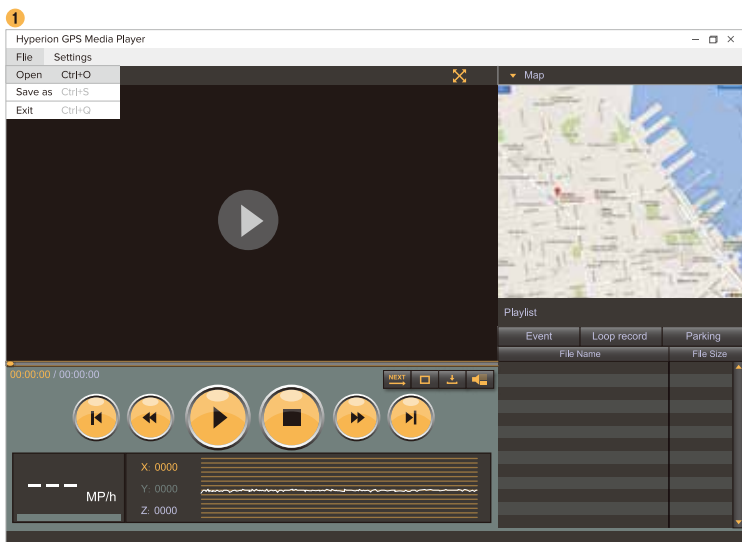
- 1) Unplug the power cord to turn off the dash camera.
- 2) Gently press on the memory card to release the lock then carefully pull the memory card out from dash camera.

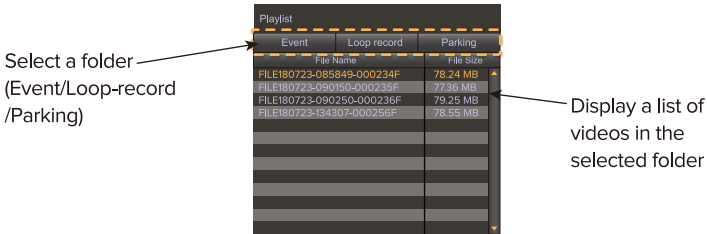
Then use the included memory card adaptor to connect the card to a computer.



- 3) Download Hyperion® GPS media player from <http://Hyperion-global.com/support> and install it on your computer. And run Hyperion® GPS media player.

- 4) Click the "File" in the upper-left corner and select "Open" (1) to choose any video in the memory card. (2) and (3).  
The videos files in the memory card will be automatically added to the playlist in the bottom-right corner of the media player screen. The playlist section layout is as follows.





5) Click a video file after selecting a video folder, or click the Play button (▶) after selecting a video file. The selected video will be played.

## **HYPERION® GPS MEDIA PLAYER SCREEN LAYOUT**

◆ The following provides brief information about the screen layout



- 1) Visit the Deltran-global website
- 2) Open a file or save a video with a different name
- 3) Set the language and speed unit of the media player
- 4) Displays the file name of current video
- 5) Expand the size of display window
- 6) Switch between front and rear videos (Not available now)
- 7) Display the progress bar of video replay
- 8) Display the current and total running time of the current video

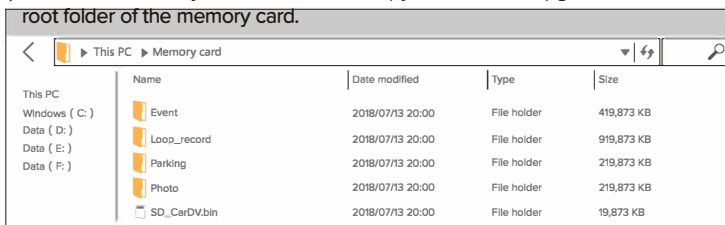
- 9) Play the previous file
- 10) Indicates the vehicle's driving speed at the time of recording
- 11) Rewind by 10 sec
- 12) Indicates the G-sensor value at the time of recording
- 13) Play/Pause
- 14) Stop
- 15) Skip forward by 10 sec
- 16) Play the next file
- 17) Enable/disable playing the next file in the playlist
- 18) Zoom in/out video
- 19) Save the current video on your PC
- 20) Adjust the volume of the current video

## UPGRADING THE FIRMWARE

A firmware upgrade is provided to enhance the products's feature, operation or to increase stability. For optimal operation of the products, ensure that you keep the firmware up to date.

- 1) On your PC, open a web browser and go to <http://Hyperion-global.com/support>.
- 2) Select the product to download the latest firmware upgrade file. The file format is .bin
- 3) Unzip the downloaded file. (If necessary)
- 4) Disconnect power to the dash camera and remove the memory card.
- 5) Access the memory card from PC and copy the firmware upgrade file to the

root folder of the memory card.



- 6) While the power is disconnected from the dash camera, insert the memory card into the memory card slot on the product.
- 7) Turn the power on and the dash camera will automatically install the firmware upgrade file.

When the dash camera is powered off, that means firmware upgrade has been completed.



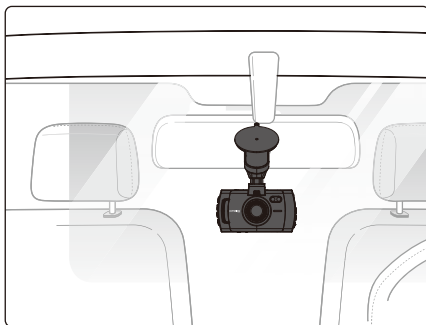
**NOTE:**

- \* **DO NOT DISCONNECT THE POWER OR REMOVE THE MEMORY CARD FROM DASH CAMERA DURING THE UPGRADE. DOING SO MAY CAUSE SERIOUS DAMAGE TO THE PRODUCT, OR TO THE DATA STORED IN THE MEMORY CARD.**

## USING ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS)

Hyperion® dash camera supports lane divergence warning, front collision warning and front vehicle departure warning.

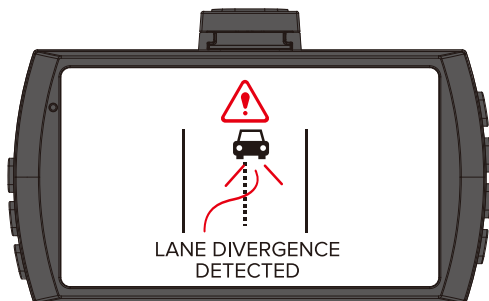
- 1) Position your dash camera in the center of your windshield near the top, behind rear-viewer mirror.



- 2) Access "ADAS calibration" on page 3/3 of General Setting on the menu. Use "ADAS calibration" to adjust your dash camera and make sure it is positioned correctly.
- 3) Back to menu and turn on the ADAS function to operate properly.

## THE LANE DEPARTURE WARNING SYSTEM (LDWS)

When the vehicle departs its lane, the dash camera detects the lane divergence via the real-time video image and warns the driver.



## **FRONT COLLISION WARNING SYSTEM**

When the vehicle drives at 35 MPH or above, the dash camera will detect forward collision danger via the real-time video image and warns the driver.



## **FRONT VEHICLE DEPARTURE WARNING**

The dash camera will detect the departure of the vehicle in front via the real-time video image and notify the driver.



## TROUBLESHOOTING

The following table lists the problems users may encounter while using the product and measures to resolve them.

If the problem persists after taking the measures provided in the table, contact the customer service center.

Problems	Description
Cannot power on the product	<ul style="list-style-type: none"> <li>* Make sure the power cord is connected to the cigarette lighter socket and the dash camera properly.</li> <li>* Check the vehicle's battery level.</li> </ul>
The video is unclear or hardly visible	<ul style="list-style-type: none"> <li>* Ensure that the protective film on the camera lens has been removed. The video may look unclear if the protective film is still on the camera lens.</li> <li>* Check the installation location of the camera, turn on the product, and then adjust the camera's view angle while monitoring the screen.</li> </ul>
The memory card cannot be recognized	<ul style="list-style-type: none"> <li>* Ensure that the memory card has been inserted in the correct direction. Before inserting the memory card, ensure that the metal contacts on the memory card are facing towards the screen of dash camera.</li> <li>* Turn off the power, remove the memory card, and then check to ensure that the contacts in the memory card slot are not damaged.</li> </ul>
The recorded video cannot be played on a PC	The recorded videos are stored as MOV video files. Ensure that the video player installed on your PC supports the playback of MOV video files.
The dash camera stopped responding	Please use straightened paper clip and press the hidden reset button to reboot the dash camera.
GPS signal cannot be received	<ul style="list-style-type: none"> <li>* Ensure the dash camera is connected to the mounting bracket properly.</li> <li>* The GPS signal may not be received in out-of-service areas, or if the product is located between tall buildings. Also, GPS signal reception may not be available during storms or heavy rain. Try again on a clear day at a location that is known to have a good GPS reception. It may take up to 5 minutes until GPS reception is established.</li> </ul>



## PRODUCT SPECIFICATIONS

<b>Model Name</b>	<b>LX1901SD</b>
Color/Size/Weight	Black / Length 3.7 x Width 1.18 x Height 2.1 inches / 3.67 ounce
Camera	CMOS Sensor (Approx. 3.0 megapixels)
Operation temperature	14°F - 140°F (-10°C to 60°C)
Storage temperature	-4°F - 158°F (-20°C to 70°C)
MicroSD memory card	Supports up to 64GB MicroSD memory card with a speed rating of class 10, UHS-1 or higher
Reset	Insert an unbent paper clip to reset your device if it has crashed and is unresponsive
Video resolution	720P/30fps; 1080P/30fps; 1296P/30fps selectable
Photo resolution	Up to 2304 x 1296 Pixels
Photo format	JPG
View angle	120°
Video format	MOV
G - Sensor	3-Axis Acceleration Sensor
Recording method	Loop recording and crash detection & recording
Sound recording	Built-In Microphone
Memory location	Only store on memory card
Microphone	Built-in
Speaker (Voice guidance)	Built-in
LED Indicators	Recording, standby and charging
Built-in battery	Lithium Ion Battery 180mAh 3.7V
Input power	DC 12V–24V, 1.5A MAX
Power consumption	400mA - 500mA *Actual power consumption may vary depending on use conditions and environment.

## CUSTOMER SUPPORT

For customer support and firmware updates please visit <http://Deltran-global.com>. You can also call our customer service hotline **877-456-7901**

Please back up all important files and data before requesting service. In order to service the dashcam it may be necessary to delete all files and data from the dashcam. All servicing is provided on the basis that the user has backed up all necessary files and data before requesting service. Therefore Deltran USA LLC will not be responsible for the loss of any files or data.

## REGULATORY WARNINGS

### FEDERAL COMMUNICATIONS COMMISSION (FCC)

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.

### GOVERNMENT OF CANADA

ICES-001: Industrial, Scientific, and Medical (ISM) Radio Frequency Generators  
This product has been tested with the listed standards and found to be compliant with the Code of Industry Canada ES-001 and the measurement Procedure according to CISPR 11.  
CAN ICES-1/NMB-1



## WARRANTY

The Hyperion® Dash Camera comes with a twelve (12) month limited warranty against defects or failure within one (1) year of purchase.

**THIS LIMITED WARRANTY IS VOID** under the following conditions:

- 1) The product is misused, subjected to careless handling, or operated under conditions of extreme temperature, shock, or vibration beyond our recommendations for safe and effective use.
- 2) The product is disassembled or repaired by anyone who is not an authorized service representative.
- 3) The product was purchased from an unauthorized source. Warranty is not transferable from the original purchaser.
- 4) Any physical damage to the Dash Camera or any accessory after purchase.
- 5) Any modifications to the Dash Camera.