

# Uniden®

# iWitness

## DC2

### AUTOMOTIVE VIDEO RECORDER



## OWNER'S MANUAL

## **IMPORTANT SAFETY INSTRUCTIONS**

- Uniden does not represent this product to be waterproof. Do not expose this product to rain or moisture.
- This product is intended for use in a motor vehicle. Don't install the device where it will block the driver's view of the road (including the mirrors) or the deployment of the airbag.
- Keep your attention on the road! Don't try to operate or focus on any device while driving. If you have to concentrate on the device, pull off the road for a few minutes.
- Ensure that the camera lens is kept clean and there is nothing blocking the lens.
- Don't leave the device in direct sunlight for a long period of time or where the temperature could go above 140°F (60°C).

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# **DC2**

## **AUTOMOTIVE VIDEO RECORDER**

### **OVERVIEW**

The Uniden DC2 is an ultra-compact recorder that can be set up to continuously capture high quality video even in low light conditions. The built-in G-Sensor system triggers the camera to instantly begin recording if the vehicle is bumped or scraped. The DC2 can even record outside the vehicle for the duration of the internal battery's power.

### **FEATURES**

- 2.0" color screen
- Full HD 1820 x 1080 @ 30fps
- 140° View Angle (diagonal)
- 4X Digital Zoom
- G-Sensor with Collision Detection Mode
- Loop Recording
- Auto Power Off
- Date and Time Stamp
- Records onto microSD Card (8GB included)
- Internal Rechargeable Battery (up to 10 minutes)
- Built-In Microphone

## WHAT'S IN THE BOX?



Uniden DC2



Windshield  
Mount



HDMI Cable



DC (CAR)  
Adapter



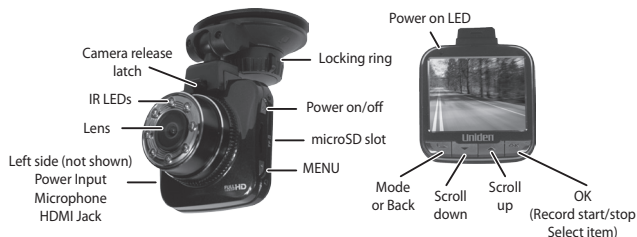
MiniUSB to USB  
Cable



8GB MicroSD  
card

***If any items are missing or damaged, get answers  
24/7 at our website: [www.uniden.com](http://www.uniden.com).***

## CONTROLS AND INDICATORS



# INSTALLATION AND POWER UP

## INSTALLATION SAFETY WARNINGS

***WARNING! Failure to comply with the following warnings could result in an accident or collision, resulting in death or serious injury.***

***Do not obstruct the driver's view or the operation of the vehicle itself.***

***Do not place it unsecured on the dashboard or in front/above an airbag.***

***Do not mount the camera where it will become a distraction if it becomes loose.***

***Do not attempt to operate the camera while driving. If you need to access the DC2 to change settings, etc., pull off the road in a safe manner to do so.***

***Some state laws prohibit drivers from mounting anything on the windshield, or restrict mounting to specific areas of the windshield. It is the owner's responsibility to mount the DC2 in compliance with local laws.***

## ATTACHING THE DC2

1. Be sure the bracket locking ring is set to **UNLOCK**. Press the suction cup base to the windshield.
2. Slide the DC2 onto the bracket hook on the top of the windshield mount until it locks into position.
3. Turn the locking ring to **LOCK**. Make sure the stand is locked to the windshield.
4. To unmount the stand, turn the locking ring to the

**UNLOCK** position then lift the plastic flap on the base to release it from the windshield.

## **INSTALLING THE MICROSD CARD**

***A compatible microSD card (8GB supplied) is required to record and store videos and photos.***

The camera can support microSDHC cards (High Capacity microSD) up to 32GB in capacity. Uniden recommends using a good quality microSDHC card of at least 8GB capacity and minimum Class 10 speed.

Gently insert a formatted microSD card in the slot on the side of the camera. To remove the card from the slot, press the edge of the microSD card inwards for it to pop out and then pull it out of the slot.

## **POWERING UP THE DC2**



***Only use the DC car adapter that comes with your device. Any other adapter might damage the device.***

1. Refer to your car's owner's manual to verify where the power outlets are on and around the dashboard. Locate an outlet that supplies 12V electric power when the key is in the ON or ACC position.
2. Connect the car adapter to the camera and to the that power outlet.
3. Start the car. The camera turns on automatically and begins recording. When the car's engine is turned off, the camera will automatically turn off in a few seconds.

***Charge the camera for at least 15 minutes after it is turned on for the first time or after it has been turned***



***off for more than three weeks.***

4. At other times, press the  button to turn it on.  
Press and hold the  button to turn it off.

The camera charges the battery whenever power is detected through the USB port. When the camera is being charged, the red LED glows. It will automatically turn blue when the camera has been charged completely. The camera takes about 90 minutes to charge completely from an empty state. The Battery Status icon displays when the camera is disconnected from power and tells you how full the battery is.



Empty



Low




Half Full



Full

## **SETTING UP THE DC2**

Before recording video or taking snapshots, set up how you want your DC2 to operate. Through mode menus, you can set the date and time stamp, turn audio recording on or off, set the image resolution, etc.

The DC2 operates in three modes: Video, Still, and Playback. These modes have menus to help you configure your camera. Press  to select a mode. An icon appears in the upper left corner of the screen for each mode.



Video mode records videos to an installed microSD card.



Still (Camera) mode stores snapshots to an installed microSD card.



Playback mode replays video or shows snapshots saved to an installed microSD card.

or ►

When you have selected the mode you want, press **M** to display the configuration menus for that mode. Each mode has two configuration menus. One menu configures that specific mode and the other menu (Setup) provides basic setup options. (The Setup menu, described on page 14, is common for all three modes.) Press **M** again to access the Setup menu.

***You cannot access menus when the the camera is recording. To access the Video menus, stop recording by pressing OK.***

## VIDEO MODE





Video mode lets you record live videos and store them on the installed microSD card. The configuration menu sets up how the video is recorded and conditions that will activate automatic recording.






### ***Video Mode Menu***

In Video mode, press **M** once to access the configuration menu. Press **M** again to display the Setup menu. The

Setup menu is common to all modes and is described on page 14.

Press **▲** and **▼** to scroll through the various settings and then press **OK** to select. Press **M** to exit the menu.


<i>Option</i>	<i>Description</i>
Resolution 	Sets the video resolution. (Maximum resolution = 1080FHD)
Loop Recording 	Loop recording allows you to set video file length (1, 3, or 5 minutes). Selecting a file length activates loop recording. When the microSD card fills up, it loops back to the oldest file and records over it.  If you select OFF, video file length defaults to 3 minutes. When the microSD card fills up, a Card Full message displays and recording stops.
Exposure 	Sets the brightness sensitivity.
Motion Detection 	Enable this setting to allow the recorder to start recording when it detects movement.

<b>Option</b>	<b>Description</b>
Record Audio 	Turns audio recording on/off.
G-Sensor 	Detects significant or sudden movement; automatically locks the current recording.
Date Stamp 	Displays or hides the date / time stamp on the recordings.
Monitor Parking 	Turn on for the camera to monitor motion sensitivity when the car is parked.
Parking Sensitivity 	Set motion sensitivity level (High, Medium, or Low) to activate video recording with Monitor Parking turned ON.

## STILL MODE






The DC2 lets you take still images (snapshots) of live video that is not recording. You cannot take a snapshot of live video while it is recording. You also cannot take a snapshot of recorded video playing back.






To take a snapshot:

1. Verify that a valid microSD card is inserted in the microSD slot.
2. Press **L** to select Still mode;  displays in the upper left corner.
3. Press **OK**. The camera takes a snapshot of live video.



### **Still Mode Menu**

Like the Video mode menu, press **M** once to access the Still mode configuration menu. Press it twice to display the Setup menu. The Setup menu is common to all modes and is described on page 14.

<i>Option</i>	<i>Description</i>
Resolution 	Defines the image resolution.
Continuous Mode 	Activates continuous shooting mode; you get up to 3 shots in one click.
Quality 	Defines the quality of the images you capture.
Sharpness 	Defines the clarity of detail in the images you capture.
White Balance 	Establishes the conditions to capture an image based on the options given.

<b>Option</b>	<b>Description</b>
ISO 	Increases or decreases the camera's light sensitivity.
Exposure 	Sets the brightness sensitivity.
Anti-Shaking 	Reduces the camera shake and captures a better quality image.
HDR (Header) 	Turn video/snapshot header on or off.
Date Stamp 	Enables/disables the date and time on the image files.

## PLAYBACK MODE

This mode lets you play back recorded video or view snapshots.  (Video) or  (snapshot) displays, depending on what was last recorded. The Playback mode menu deletes or protects files from deletion; it does not provide any camera configuration. See page 18 for details on using this feature.







## SETUP MENU







The Setup menu is common to all modes. It establishes overall camera operation. You can set the date and time, display language, the length of time the camera stays on

before it goes into screensaver mode, etc.

Press **M** twice to access the Setup menu in any mode.

The  icon is highlighted in the upper left corner.

<i>Option</i>	<i>Description</i>
Date/Time 	Changes the date and time by using the relevant ▲ and ▼ keys, and then press <b>OK</b> to confirm.
Car/Driver ID 	Provides a way to identify the vehicle in which the device is mounted (up to 8 alphanumeric characters). (See page 16 for details.)
Auto Power Off 	Sets the time duration to automatically power off the camera when idle.
Key Click Sound 	Turn this feature on to hear an audible clicking sound when the keys are pressed.
Language 	Select English (default), French, Spanish, or Portuguese.
TV Mode 	Select from NTSC (North America) or PAL (Europe).

<i>Option</i>	<i>Description</i>
Frequency 	Select 50Hz or 60Hz (default) and press <b>OK</b> .
Screen Saver 	Sets the time to automatically turn off the LCD after the recording starts.
IR LED 	Turns the IR LEDs on and off.
Format 	Formats the microSD card.
Default Setting 	Returns all the settings back to the factory defaults.
Firmware Version 	Firmware Version

## CAR/DRIVER ID PROCEDURE

This menu option lets you enter the license number or any other identifier (up to 8 alphanumeric characters) to label the vehicle in which the device is mounted. This feature is useful if the device is shared between vehicles and video needs to be linked to a specific vehicle or if you are monitoring multiple devices among several vehicles.



1. If recording, press **OK** to stop.
2. Press **M** twice to enter the Setup menu.
3. Scroll to Car/Driver ID option. Press **OK** to select it.
4. The Car Driver ID character selector displays on the screen. Press **▲** or **▼** to scroll through the character options.

***Character options are blank, 0 - 9, and A - Z (capital letters).***

5. Press **OK** to select that character and move to the next position. The selector moves to the next space. Continue selecting characters.

***Default = UNIDEN***


6. Press **OK** after you complete the entry to return to the Setup Menu.
7. The identifier displays after the date/time stamp when the video is played back.


To change a character: Press **OK** repeatedly to cycle through the characters to reach the character to change. Change the character using **▲** or **▼** and then press **OK** to select the new character. Press **OK** again to return to the Setup Menu when the entry is complete.

To remove a character: Press **OK** repeatedly to cycle through the characters to reach the character to delete. Use **▲** or **▼** to select a blank character and press **OK**. You will now have a blank character in that spot. Press **OK** again to return to the Setup Menu when the entry is complete.

## USING THE DC2

### RECORD VIDEO




When connected to a car charger, the camera automatically goes into Record mode and starts recording when you start the car. The  icon displays on the screen with a flashing red dot beside it to indicate recording is in progress.

If the camera is not recording, press **OK** to start recording. A flashing red dot appears next to the  icon. To stop recording, press **OK** and the red dot disappears, indicating that the recording has stopped.





***Inserting or removing the microSD card when the camera is recording causes the camera to shut down.***

### SAVE CURRENT RECORDING


You can save the file currently recording so it will not be overwritten if the microSD gets full.

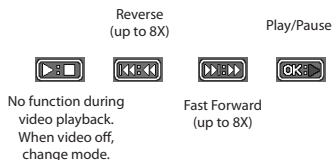
1. While recording, press  ; the  icon appears on the screen. This indicates that the recording has been locked and will not be overwritten by new video clips.
2. Press **OK** to stop recording. The  icon disappears from the screen. It will not automatically carry over to the next recording.

### PLAY BACK RECORDED FILES (PLAYBACK MODE)

When you access Playback mode, either  (video file) or  (snapshot) displays, depending on which type of file was last recorded. Press  or  to find the file you want.

## Replay Video Files

When a video file is next to play,  displays in the upper left corner of the screen. A set of 4 control icons displays on the bottom of the screen. These icons correspond to each key and control video playback.




1. From the Playback menu, press ▼ or ▲ to scroll through the recorded files. When you find the video to play, press **OK**.
2. The video plays. Use the control keys to fast forward, reverse, or pause the video.

***When fast forwarding, press the reverse key (in reverse, press the fast forward key) to return to regular playback mode.***

3. When the video ends, press ▼ or ▲ to move to another file or **M** to return to the Playback mode menu.

## Display Snapshots

 displays in the upper left corner of the screen when a snapshot displays. Press ▼ or ▲ to scroll to another snapshot or **M** to return to the Playback mode menu.

## MANAGE RECORDED FILES

Manage recorded files through the Playback mode menus.

1. Press **L** to select Playback mode.
2. Scroll up or down until the file you want to manage displays; press **M** to display the Playback menu options.
  - Delete. Delete the current file displayed or delete all files.
  - Protect. Lock/unlock the current file displayed or lock/unlock all files.
3. Once you select either Delete or Protect, a series of confirmation screens displays. After you have gone through the screens and deleted or protected/unprotected the file(s) you want, the camera returns to the Playback mode menu.
4. Press **M** to return to Playback mode; scroll up or down to select another file to manage.

***If you cannot delete videos or snapshots, check to see if that specific file is protected. If it is, unprotect it.***

## **CONNECT TO A PC**

If you connect the DC2 to a PC (using the supplied USB cable), the PC provides the following 2 options:

- Mass Storage
- PC Camera

### ***Mass Storage***

Select the Mass Storage option to manage and view the microSD card contents on the PC.

1. Connect the DC2 to the PC using the microUSB to USB cable (provided).

2. When the camera is detected on the PC as an external drive, select to view the DCIM folder.
3. Click on the DCIM folder to open and view recordings/images arranged in folders according to the specified date. The locked/protected recordings have file names beginning with "SOS," thus enabling you to easily distinguish them from the rest of the recordings.

### ***PC Camera***

This options allows you to use the DC2 as a webcam.

## **CONNECT TO TELEVISION**

You can connect the DC2 to an HD television set and play files on the television screen.

1. Power off the DC2.
2. Connect the HDMI cable to an HD television and then to the DC2.
3. Power the DC2 back on. The television screen displays the DC2 screen and the DC2 screen is blank.
4. Operate the DC2 as normal, viewing video through the television.
5. To disconnect from the television, power down the DC2 first, then disconnect the HDMI cable.

# TROUBLESHOOTING

General Problems	Possible Solutions
Camera does not turn off when the car is turned off.	<p>Check your vehicle's owner's manual to verify that you have connected the camera to a power outlet that only operates when the key is in the ON or ACC position.</p> <p>If you have connected your camera accordingly and it still remains on when the car is turned off, go to <a href="http://www.uniden.com">www.uniden.com</a> for assistance.</p>
The camera cannot take photos or record videos The camera automatically stops when recording	<ul style="list-style-type: none"><li>• Check the microSD card; it might be out of space. Either delete files from that microSD card or use a new microSD card.</li><li>• Check if the microSD card is locked. Unlock it if so.</li></ul>
Video is unclear	<p>Ensure that there are no fingerprints or dirt on the lens. Ensure that the lens is always kept clean.</p>
Dark images while recording water/sky	<p>Adjust the Exposure setting. See page 11.</p>

General Problems	Possible Solutions
Color of the images is not good	Set the 'white balance' setting to automatic. See page 13.
Cross-stripe interference in an image	Verify that Frequency option (Setup/Frequency) is set to 60Hz (North America). See page 16.
The camera crashes	Using a pin or an unfolded paper clip, press and hold the Reset button to restart the camera.
"File Error" appears when photos or video are replayed.	Format card error. Reformat your microSD card.
Video is unclear.	Clean the lens.
You cannot access menus.	Press <b>OK</b> to stop recording.
Recorded files are missing.	The DC2 records over older files. Be sure to save important files to your PC every 2 weeks.
Can't delete recorded files or snapshots.	The file or snapshot may be protected. See page 19.

## SPECIFICATIONS

Screen	2.0 in. LCD
RAM	DDR3
Storage	microSD (up to 32GB), Class 10 (8G microSD card included)
AV Input/Output	USB 2.0 HDMI
Power Supply	250mAh Built-in Polymer Lithium battery (10 min)
Power Type	12V Car Charger
Sensor Type	CMOS
View Angle (each lens)	140° (diagonal)
Optical Zoom	4X digital zoom
Image Sensor, inch	1/3
Video Frame Rate	30fps
Sound Recording	Yes (built-in microphone)
Channels	1
G-sensor	Yes
GPS	No
Video Format	MOV
Photo Resolution	16M/12M/10M/8M/5M/3M
Video Codec	H.264 (avc1)
Audio Codec	PCM



Operating Systems Supported	Windows 2000/XP/ Vista/7/8/8.1 Mac OS 10+/LINUX (webcam and storage)
Operating Temperature	14° F ~ 140° F -10° C ~ +60° C
Storage Temperature	-4° F ~ 158° F -20° C ~ +70° C
Working Humidity	10 ~ 90%

## **FCC/INDUSTRY CANADA COMPLIANCE**

### **FCC Compliance**

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.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC).

Ce dispositif est soumis aux conditions suivantes:

- 1) Ce dispositif ne doit pas causer d'interférences nuisibles et;
- 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

## **IC Compliance**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Cet appareil est conforme aux normes RSS exemptes de licences d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

## **ONE-YEAR LIMITED WARRANTY**

**Important: Save your receipt! Evidence of original purchase is required for warranty service.**

WARRANTOR: Uniden America Corporation ("Uniden")  
ELEMENTS OF WARRANTY: Uniden warrants, for one

year, to the original retail owner, this Uniden Product to be free from defects in materials & craftsmanship with only the limitations or exclusions set out below.

**WARRANTY DURATION:** This warranty to the original user shall terminate & be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

**STATEMENT OF REMEDY:** In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit & return it to you without charge for parts, service, or any other cost (except shipping & handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

**THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE & ENTIRE WARRANTY PERTAINING TO THE PRODUCT & IS IN LIEU OF & EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE**

WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

**LEGAL REMEDIES:** This warranty gives you specific legal rights, & you may also have other rights which vary from state to state. This warranty is void outside the United States of America & Canada.

**PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY:** If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts & accessories originally packaged with the Product. Include evidence of original purchase & a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Corporation  
C/O Saddle Creek  
743 Henrietta Creek Rd., Suite 100  
Roanoke, TX 76262