

# Uniden®

# Witness

## DC1

## 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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# **DC1**

## **AUTOMOTIVE VIDEO RECORDER**

### **OVERVIEW**

The Uniden DC1 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 built-in The DC1 can even record outside the vehicle for the duration of the internal battery's power.

### **FEATURES**

- 1.5" color screen
- High Definition Recording
- Infrared Night Vision
- G-Sensor
- Loop Recording
- Auto Power Off
- Date and Time Stamp
- Records onto microSD Card (8GB included)
- Internal Rechargeable Battery (up to 10 minutes)

## WHAT'S IN THE BOX?



Uniden DC1



Windshield  
Mount



DC (CAR)  
Adapter



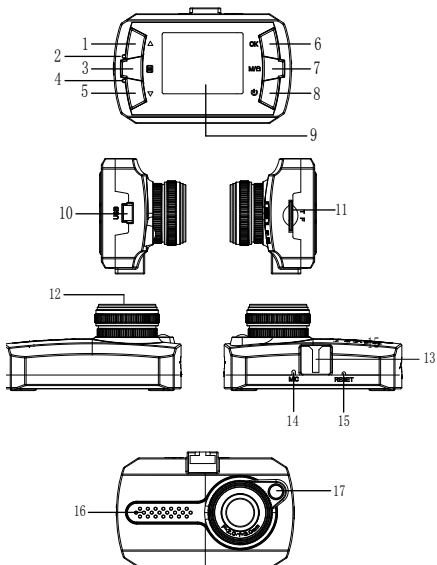
USB Cable



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



No.	Item	Description
1	UP ▲	In Record mode, zoom in. In Menu list, move the cursor one line up.
2	LED	RED - Indicates charging
3	MENU ☰	When not recording, opens the Menu.

<b>No.</b>	<b>Item</b>	<b>Description</b>
<b>4</b>	LED	BLUE - (Steady On) Not Recording BLUE - (Flashing) Recording
<b>5</b>	DOWN ▼	In Record mode, zoom out. In Menu list, move the cursor, one line down
<b>6</b>	OK	In Record mode, press this button to start/stop video recording. Use this button to capture an image in Photo mode. Confirm a menu selection. Confirm changes in the settings.
<b>7</b>	M / ⏻	While recording, press to lock (save from overwrite) the current recording. Use this button to shift between Record, Photo, and Playback mode.
<b>8</b>	POWER	Press to turn power on. Press & hold to turn power off. In Record mode, press to turn Infrared LEDs (night vision) on/off.
<b>9</b>	LCD	
<b>10</b>	USB Port	Connect External Power & charge battery Connect to PC for data (SD card) transfer
<b>11</b>	Card Slot	microSD card slot
<b>12</b>	Lens	
<b>13</b>	Bracket Slot	Fit the bracket hook of the windshield mount
<b>14</b>	MIC	Records sound.



No.	Item	Description
15	Reset	If the device fails to operate, try resetting the device. Press the reset button using a pin or unfolded paperclip.
16	Speaker	
17	Infrared LED	LED for night vision

## INSTALLATION AND POWER UP

### ATTACHING THE WINDSHIELD MOUNT

1. Insert the windshield mount bracket hook into the bracket slot on the top of the DC1.
2. After inserting the hook, slide it down until it locks in position.
3. Press the suction cup flat against the windshield.
4. Push the suction lock up until it snaps into place and tighten the locking collar to secure.
5. Gently pull on the mount to make sure it is secure.

### INSTALLING THE MICROSD CARD

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

The unit 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.

Insert a formatted microSD card gently in the slot on the



side of the unit. 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 DC1**

***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 unit charges the battery whenever power is detected through the USB port. When the unit is being charged, the red LED glows. It will automatically turn off when the unit has been charged completely. The unit will take about 90 minutes to charge completely. The Battery Status icon tells you how full the battery is.



Empty



Low




Half Full



Full

## OPERATING THE DC1

The DC1 operates in three modes: Record mode, Photo mode, and Playback mode. These modes also have menus to help you configure recording and taking photos. Press **M**/ until you access the mode you want. An icon appears in the upper left corner of the screen for each mode.



Record Mode



Photo Mode




Playback Mode

### RECORD MODE


To record video, verify that a valid microSD card (8GB supplied) is inserted in the microSD slot.

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


#### ***Recording***


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

If the unit 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.


### **Save Current Recording**

You can save the file that is currently recording so that it will not be overwritten if space is needed. While recording, press **M/⏏** ; the  icon appears on the screen. This indicates that the recording has been locked and will not be overwritten by new video clips.

Press **OK** to stop recording. The  icon disappears from the screen.


### **Record Mode Menu**








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

In Record, Photo or Playback mode, press the **Menu** key () once to access the menu settings for that particular mode. Press it twice to display the Setup menu.

The Setup menu is common to all modes. See page 16.

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



<b>Option</b>	<b>Description</b>
Resolution 	Sets the video resolution. (Maximum resolution = 1080FHD)

<b>Option</b>	<b>Description</b>
Loop Recording 	Loop recording allows you to set video file length (1, 3, or 5, minutes; 3 minutes shown on icon). 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 	Enables this setting to allow the recorder to start recording when it detects movement.
Record Audio 	Turns audio recording on/off.
Date Stamp 	Enables/disables the date and time on the image files.
G-Sensor 	Detects significant or sudden movement; automatically locks the current recording.
Key Tone 	Turns on sounds when you press keys.


## PHOTO MODE

The DC1 lets you take 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 **M**/ to select Photo mode;  displays in the upper left corner.
3. Press **OK**. The unit takes a snapshot of live video.


### **Photo Mode Menu**

Like the Record mode menu, press the **Menu** key () once to access the menu settings for the Photo mode. Press it twice to display the Setup menu.

The Setup menu is common to all modes. See page 16.






<b>Option</b>	<b>Description</b>
Timer 	Sets the time gap for capturing an image. For example, if you select 2s, then that will be the delay between the <b>OK</b> button being pressed and the image being captured.
Resolution 	Defines the image resolution.

<b>Option</b>	<b>Description</b>
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.
ISO 	Increases or decreases the camera's light sensitivity.
EV (Exposure Value) 	Sets the brightness sensitivity.
Anti-Shake 	Reduces the camera shake and captures a better quality image.
Quick Review 	Sets the time duration the image displays on the screen after it has been captured.


<b>Option</b>	<b>Description</b>
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.



1. Press **M**/ until either  (Playback) or  (Snapshot) displays in the upper left corner of the screen.
2. Press **OK** to view the recorded file/snapshot or  /  to scroll through the recorded files/snapshots.

### *Playback Mode Menu*









Press the **Menu** key (  ) once to access the Playback mode options. Scroll up or down and then press **OK** to select an option for the snapshot/video currently displaying.



- Delete. Delete the current file displayed or delete all files.
- Protect. Lock/unlock the current file displayed or lock/unlock all files.

## SETUP MENU

Press **Menu** key (  ) twice to access the Setup menu in any mode. The  icon is highlighted in the upper left corner.




<b>Option</b>	<b>Description</b>
Date/Time 	Changes the date and time by using the relevant ▲ and ▼ keys, and then press <b>OK</b> to confirm.
Auto Power Off 	Sets the time duration to automatically power off the unit when idle.
Language 	Select English (default), French, Spanish, or Portuguese.
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.
License No Set 	Provides a way to identify the vehicle in which the device is mounted (up to 9 alphanumeric characters).
Image Rotation 	Rotates the image.
Format 	Formats the microSD card.


<b>Option</b>	<b>Description</b>
Default Setting 	Returns all the settings back to the factory defaults.
Firmware 	Firmware Version

## **LICENSE NO SET PROCEDURE**

This menu option lets you enter the license number or any other identifier (up to 9 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 the **Menu** key (  ) twice to enter the Setup menu.
3. Scroll to License No set option. Press **OK** to select it.
4. The License No set character selector displays on the screen. Press **▲** or **▼** to scroll through the character options.


***Character options are blank, 1 - 9, and A - Z (capital letters).***


5. Press the **Menu** key (  ) to select that character and move to the next position. The selector moves

to the next space. Continue selecting characters.

**Default = all blank characters.**

6. Press **OK** after the entry is complete. Press the **Menu** key (  ) again to return to mode screen you started with.
7. The identifier displays after the date/time stamp when the video is played back.

To change a character: Press the **Menu** key (  ) repeatedly to cycle back through the characters to reach the character to change. Change the character using **▲** or **▼** and then press **OK** to select the new character. Pressing **OK** will also take you back to the Setup menu.

To remove a character: Press the **Menu** key (  ) repeatedly to cycle back through the characters to reach the character to delete. Select a blank character and press **OK**. Pressing **OK** will also take you back to the Setup menu.

## CONNECTING TO A PC

If you connect the DC1 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. When the unit is detected on the PC as an external drive, select to view the DCIM folder.
2. 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 DC1 as a webcam.

## TROUBLESHOOTING

General Problems	Possible Solutions
Camera does not turn off when the car is turned off.	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. If you have connected your camera accordingly and it still remains on when the car is told off, contact <a href="http://www.uniden.com">www.uniden.com</a> for assistance.

General Problems	Possible Solutions
<p>The unit cannot take photos or record videos</p> <p>The unit automatically stops when recording</p>	<ul style="list-style-type: none"> <li>• Ensure that the microSD card is formatted properly and inserted correctly.</li> <li>• Use the recommended type of microSD card (minimum 8GB Class 10)</li> </ul>
Video is unclear	Ensure that there are no fingerprints or dirt on the lens. Ensure that the lens is always kept clean.
Dark images while recording water/sky	Adjust the EV setting.
Color of the images is not good	Set the 'white balance' setting to automatic.
Cross-stripe interference in an image	Verify that Frequency option (Setup/Frequency) is set to 60Hz (North America).
The unit crashes	Using a pin or an unfolded paper clip, press and hold the Reset button to restart the unit.

## SPECIFICATIONS

Screen	1.5 in. LCD
RAM	DDR1
Operating Systems Supported	Windows 2000/XP/Vista/7/8/8.1 Mac OS 10+/LINUX (webcam/storage)

Operating Temp.	32° F ~ 122° F (0° C ~ +50° C)
Storage Temp.	25° F ~ 140° F (-10° C ~ +60° C)
Size	66mm (L) x 31mm (H) x 41mm (W)
Working Humidity	10 ~ 90%
Storage	microSD (up to 32GB), Class 4 and above (8G microSD card included)
Recording Time	Recording Time: Off, 1 min, 3 min, 5 min, 10 min
Video Resolution	1920x1080/1440x1080/1280x720/848x480/640x480/320x240
View Angle	140°
Zoom	4X digital zoom
Power Supply	<ul style="list-style-type: none"> <li>• 12V Cigarette Car Charger Input: 12V~24V Output: DC5V/1A</li> <li>• 110mAh Built-in Lithium Polymer battery (10 min)</li> </ul>
Sensor Type	1.3 MP CMOS
Image Sensor	1/3"
Video Frame Rate	30fps
Sound Recording	Yes (built-in microphone)
Channels	1
G-sensor	Yes
Video Format	AVI
Photo Resolution	12M/10M/8M/5M/3M, 2M, VGA, 1.3M
Video Codec	MJPEG
Audio Codec	PCM

## **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 Service  
C/O Saddle Creek  
743 Henrietta Creek Rd., Suite 100  
Roanoke, TX 76262



