

Uniden®

DCAM 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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DCAM

AUTOMOTIVE VIDEO RECORDER

OVERVIEW

The Uniden DCam 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 DCam 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); Supports up to 32GB
- Internal Rechargeable Battery (up to 10 minutes)
- Built-in Microphone

WHAT'S IN THE BOX?



Uniden DCam



Windshield
Mount



8GB MicroSD
card



DC (CAR)
Adapter

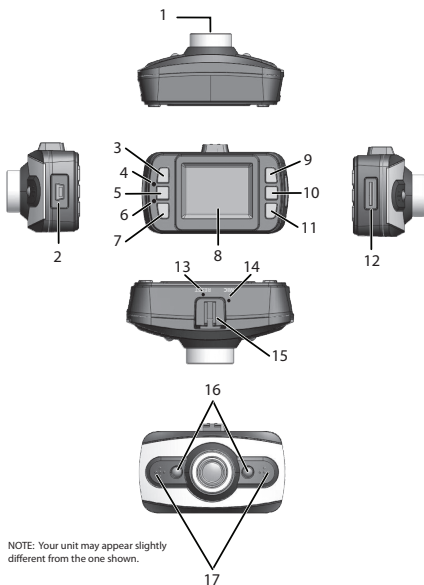


USB Cable



Not shown:
Printed materials

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

CONTROLS AND INDICATORS



No.	Item	Description
1	Lens	
2	USB Port	Connect External Power & charge battery. Connect to PC for data (microSD card) transfer.

No.	Item	Description
3	UP ▲	In Record mode, zoom in. In Menu list, move the cursor one line up. In Playback mode, increase volume.
4	LED	BLUE - (Solid) Not Recording BLUE - (Flashing) Recording
5	MENU 	When not recording, opens the Menu.
6	LED	RED - Indicates charging
7	DOWN ▼	In Record mode, zoom out. In Menu list, move the cursor one line down. In Playback mode, decrease volume.
8	LCD Screen	
9	OK	In Record mode, press this button to start/stop video recording. In Photo mode, use this button to take a snapshot. In Menus, press to confirm a menu selection and confirm changes in the settings.
10	M / 	While recording, press to lock (save from overwrite) the current recording. When not recording, press to shift between Record, Photo, and Playback mode.

No.	Item	Description
11	POWER	Press to turn power on. Press & hold to turn power off. In Record mode, press to turn Infrared LEDs (night vision) on/off.
12	Card Slot	microSD card slot
13	Reset	If the device fails to operate, try resetting the device. Press the reset button using a pin or unfolded paperclip.
14	MIC	Records sound
15	Bracket Slot	Slide the windshield mount bracket hook into this slot to secure the unit.
16	Infrared LED	LED for night vision
17	Speaker	

INSTALLATION AND POWER UP

ATTACHING THE WINDSHIELD MOUNT

1. Insert the windshield mount bracket hook into the bracket slot on the top of the DCam.
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.

If the microSD card is not formatted, refer to page 19 to reformat the card.



POWERING UP THE DCAM

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 internal battery whenever power is detected through the USB port. When the unit is being charged, the red LED is on. 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 DCAM

The DCam 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

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 18.


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. A red timer also displays in the upper right corner.

If the unit is not recording, press **OK** to start recording. A flashing red dot appears next to the  icon and a red timer displays in the upper right corner. To stop recording, press **OK** and the red dot and timer disappear, indicating that the recording has stopped.

The DCam must be connected to power to record automatically when powered on.



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 mode, press the **Menu** key () once to access the Record mode menu. Press **▲** and **▼** to scroll through the various options and then press **OK** to select. Press  until you exit the Menu and return to the Record mode screen.

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

Option	Description
Loop Recording 	<p>Loop recording allows you to set video file length (Off, 1, 2, or 3 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.</p> <p>If you select OFF, video records in 10 minute blocks. When the microSD card fills up, a Card Full message displays and recording stops.</p>
Exposure 	<p>Sets the brightness sensitivity.</p>
Motion Detection 	<p>Enable this setting to allow the recorder to start recording when it detects movement.</p>
Record Audio 	<p>Turns audio recording on/off.</p>
Date Stamp 	<p>Enables/disables the date and time on the image files.</p>
G-Sensor 	<p>Detects significant or sudden movement; automatically locks the current recording.</p>


<i>Option</i>	<i>Description</i>
Beep Sound 	Turns on sounds when you press keys.

PHOTO MODE

The DCam 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 18.

<i>Option</i>	<i>Description</i>
Capture Mode 	Sets the time gap for capturing an image. For example, if you select 2s Timer, then 2 seconds will be the delay between the OK button being pressed and the image being captured. (Options are: Single, 2S Timer, 5S Timer, and 10S Timer)
Resolution 	Defines the image resolution.
Sequence 	Activates continuous shooting mode; you get up to 5 shots in one click.
Quality 	Defines the quality of the images you capture. (Options are: Fine, Normal, and Economy)
Sharpness 	Defines the clarity of detail in the images you capture. (Options are: Strong, Normal, and Soft)
White Balance 	Establishes the conditions to capture an image based on the options given. (Options are: Auto, Daylight, Cloudy, Tungsten, and Flourscent)
Color 	Select a color style. (Options are: Standard, Black & White, or Sepia)
ISO 	Increases or decreases the camera's light sensitivity. (Options are: Auto, 100, 200, and 400)


Option	Description
Exposure 	Sets the brightness sensitivity. (Options are -2 to +2 in 1/3 increments)
Anti-Shaking 	Reduces the camera shake and captures a better quality image. (Options are on, off)
Quick Review 	Sets the time duration the image displays on the screen after it has been captured. (Options are Off, 2 sec, and 5 sec)

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. The last type of file saved (recorded video or snapshot) determines the icon displayed.
2. Press **OK** to view the recorded file/snapshot or  (view full screen) /  (view thumbnails) 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.

<i>Option</i>	<i>Description</i>
Date/Time 	Changes the date, time, and date/time display format by using the relevant ▲ and ▼ keys, and then press OK to confirm.
Auto Power Off 	Sets the time duration to automatically power off the unit when idle. (Options are Off, 1 minute, and 3 minutes)
Language 	Select English (default), Français, Español, or Português.
Frequency 	Select 50Hz or 60Hz (default) and press OK .

Option	Description
Screen Saver 	Sets the time to automatically turn off the LCD after the recording starts. (Options are Off, 3 minutes, 5 minutes, and 10 minutes)
Image Rotation 	Rotates the image.
Format 	Formats the microSD card.
Default Setting 	Returns all the settings back to the factory defaults.
Version 	Firmware Version

USING THE DCAM

<i>How do I . . .</i>	<i>Do This . . .</i>
Record Live video	In Record mode, press OK . A red dot and a red timer display on the screen. Press OK again to stop recording.
Play back recorded video	Go to Playback mode. Press ▼ to view thumbnail images of the recorded files or ▲ to view the files one at a time in full screen. <i>Note: Pressing ▲ while in thumbnail mode selects the previous thumbnail.</i> Press OK to view the file.
Take a snapshot	In Photo mode, press OK .
Review snapshots	Go to Playback mode and press ▼ to display all recorded files. If the thumbnail does not have a  on it, the file is a snapshot. Select that file and press OK to view it full screen. ► displays in the top left of the full screen snapshot.

<i>How do I . . .</i>	<i>Do This . . .</i>
Set the date/time	Go to the Settings menu and select Date/Time. Use the ▲ and ▼ buttons to change the date and time. Press M/⏏ or ⏏ to exit the Date/Time setting.
Unlock a recording	From Playback mode with the recorded file selected, go to Menus/Protect. Select Unlock Current.

CONNECTING TO A PC

If you connect the DCam to a PC (using the supplied USB cable), the DCam displays various options. Scroll to select Mass Storage.

MASS STORAGE

The Mass Storage option lets you 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.

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 www.uniden.com for assistance.</p>
<p>The unit cannot take photos or record videos.</p> <p>The unit automatically stops when recording</p>	<ul style="list-style-type: none">• Ensure that the microSD card is formatted properly and inserted correctly.• Use the recommended type of microSD card (minimum 8GB Class 10)
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 EV setting.</p>

General Problems	Possible Solutions
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. See page 7 for the location of the reset button.

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 10 (8G microSD card included)

Recording Time	Recording Time: Off, 1 min, 2 min, or 3 min
Video Resolution	1920x1080/1440x1080/1280x720/848x480/640x480/320x240
View Angle	120°
Zoom	4X digital zoom
Power Supply	<ul style="list-style-type: none"> • 12V Cigarette Car Charger Input: 12V~24V Output: DC5V/600mA • 110mAh Built-in Lithium Polymer battery (10 min)
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:

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