

Uniden®

DC720

2 LENS PANORAMIC CAMERA



OWNER'S MANUAL

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Irving, Texas

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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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DC720

AUTOMOTIVE VIDEO RECORDER

OVERVIEW






The Uniden DC720 is a virtual 720° dual-lens panoramic video recorder. Uniden's 720 Link app provides remote recording and snapshot capabilities as well as viewing recorded files. You can also view the full 720° file image by moving the mobile device.

The built-in G-Sensor system triggers the camera to instantly begin recording if the vehicle is bumped or scraped. The DC720 can even record outside the vehicle for the duration of the internal battery's power.

FEATURES

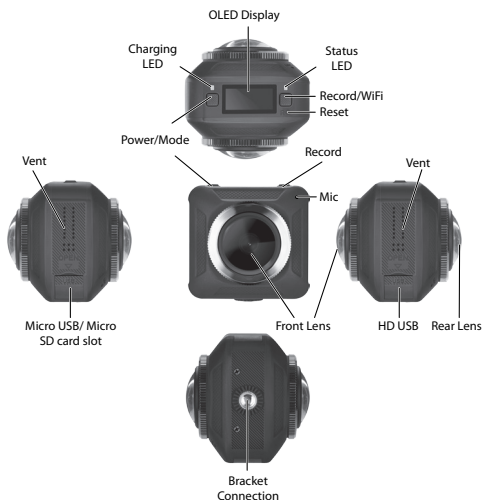
- OLED screen
- Dual Lens
- 1920 x 960
- 720° full coverage per camera/virtual 720° viewing through app
- G-Sensor with collision detection mode
- Loop Recording
- Parking Mode
- Wi-Fi
- Uniden 720 Link app control
- Records onto microSD Card (16GB included)
- Internal Rechargeable Battery (1200mAh up to 60 minutes operation)

WHAT'S IN THE BOX?

		
Uniden Dual Lens Camera	Windshield Mount with Suction Cup	16GB MicroSD card
		Also Included: Printed Materials
DC Power Adapter	Micro HDMI Cable	

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

CONTROLS AND INDICATORS



INSTALLATION AND POWER UP

ATTACHING THE WINDSHIELD MOUNT

1. Screw the windshield mount into the top of the DC720.
2. Screw the mounting collar down to the camera.
3. Press the suction cup flat against the windshield.
4. Push the suction lock towards the suction plate until it snaps into place. Gently pull on the mount to make sure it is secure.
5. Adjust the camera and tighten the locking nut to secure its position.

INSTALLING THE MICROSD CARD

A compatible microSD card (16GB supplied) is required to record and store videos and photos.

The unit can support microSD, microSDHC, and microSDXC cards up to 64GB. Uniden recommends using a good quality microSD/SDHC/SDXC card of at least 16GB capacity (included) and minimum Class 10 speed.

Insert a formatted microSD card gently in the slot on the side of the unit. The OLED displays CARD IN.

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. The OLED displays CARD OUT.

POWERING UP THE DC720

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. Insert the car adapter into a power outlet.
3. Connect the camera to the car adapter using the USB adapter cable.
4. Start the car. The camera turns on automatically, enters Video mode, and begins recording. A white oval and the blue LED flash. (Press **REC** to stop recording. The white oval goes away; the blue LED stops flashing and remains steady on.) When the

car's engine is turned off, the camera will turn off in a few seconds and automatically save any recorded files.

If your vehicle's 12V outlet remains active after the vehicle is turned off, unplug the DC720 or turn it off. Recorded files are automatically saved.

5. At other times, press the power button to turn it on. Press and hold the power button to turn it off. The DC720 automatically saves the recorded files.

The unit charges the battery whenever power is detected through the USB port. When the unit is being charged, the blue LED flashes. The Battery Status icon tells you how full the battery is.



OPERATING THE DC720

Operate the DC720 through the controls on the camera or through the Uniden 720 Link app.

The DC720 operates in four modes:

- DUAL. Records video (blue LED flashes while recording from the front and rear cameras).
- PARK. Monitors motion sensitivity (movement within the camera's range of sight) and physical movement (G-sensor activation).
- PHOTO. Take a snapshot of current view.
- Wi-Fi. Connect to the app.

Stop recording to change modes; the DC720 cannot change modes while it is recording.

DUAL MODE

DUAL mode records from both the front and rear cameras in 1 minute intervals in a loop; the oldest file is overwritten as space is needed. DUAL displays on the OLED. After a minute, the counter increases by 1 and begins recording a new file.


Start/Stop Recording

When connected to a car charger and the car is started, the unit automatically goes into Record mode (DUAL displays) and starts recording. A white oval and the blue status LED flash, indicating that recording has begun.

If the unit is not recording, press **REC** to start recording. A white oval and the blue status LED flashes.

To stop recording, press **REC** again; the device beeps, the white oval goes away, and the blue status LED changes to steady on.

Lock (Save) Recording

While recording, quickly press and release the power icon () to lock and save that recording. A + sign displays to the right of the battery status icon.



The DC720 automatically saves file in case of accidents.

PARK MODE

From DUAL mode, stop recording and press the power button once to enter PARK mode.



Motion sensors monitor the area around the vehicle and g-force sensors monitor for physical movement of the unit itself. If these sensors are triggered, *LOOP REC* displays and a counter tracks the number of files saved (1 minute per file).



PHOTO MODE

From DUAL mode, stop recording and press the power button twice to enter PHOTO mode.



Press **REC** to take a photo. The blue status LED blinks once while the photo is being taken, and then the file counter increases by one.

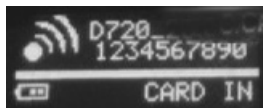
WI-FI MODE

Connect the camera to the app through Wi-Fi mode.

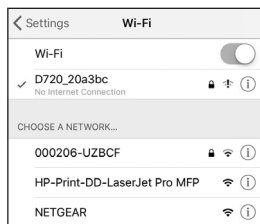
1. Download Uniden 720 Link app from Apple App

Store (iOS) or from Google Play/Amazon app stores (Android).

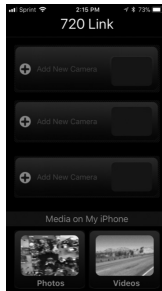
2. If the camera is recording, press **REC** to stop recording. Press and hold **REC** for 3 seconds to enter Wi-Fi mode.



3. From the settings screen on your mobile device, select the camera for a Wi-Fi connection. Look for **D720_xxxxxx**. Enter the password: 1234567890. A *No Internet Connection* message displays.



4. From the app, select *Add New Camera*.



5. A live view from the camera displays.



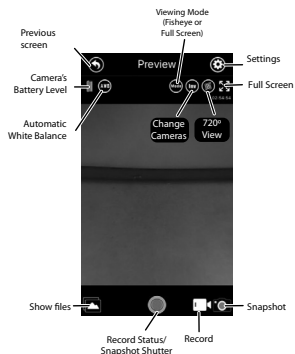
USING THE UNIDEN 720 LINK APP

The Uniden 720 Link app provides the same controls as on the actual camera. Once you connect to the camera through Wi-Fi (see page 11), you can start and stop recordings, take snapshots, and put the device in PARK mode. You can also view live video from the cameras and view recorded video and snapshots.

***All app images are from the iOS DC720 Link app.
Android images are similar.***

UNIDEN 720 LINK LIVE VIEW SCREEN

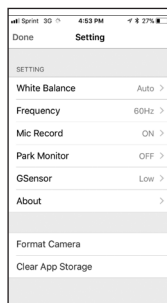
Once connected to the DC720, the app displays the current live view.



ELEMENT	MEANING
Previous Screen	Returns to the previous screen.
Camera Battery Level	Displays how much battery power is left.
Automatic White balance	Activates the Automatic White Balance value established in Settings.
Show Files	Displays a listing of recorded video files and snapshots.
Record Status/ Snapshot Shutter	In Record mode: The icon is round and blinks to indicate recording is in progress. In Snapshot mode: The icon is a camera. Tap the icon to take a snapshot.

ELEMENT	MEANING
Record Icon	Tap this icon to go into Record mode.
Snapshot Icon	Tap this icon to go into snapshot mode.
Screen	Tap to increase the image size to full landscape mode. Turn your mobile device sideways to view this mode. Tap it again to return to normal viewing mode.
Viewing Mode	Tap for Fisheye or Regular viewing mode.
INV	Change the Live View between the front and rear cameras
360° View	Tap this icon to access full 360° viewing.
Settings	Configure the DC720 (see the following section:



Settings




OPTION	MEANING
White Balance	Options are: <ul style="list-style-type: none"> • Auto (Default) • Daylight • Cloudy • Incandescent • Fluorescent
Frequency	<ul style="list-style-type: none"> • 50Hz • 60Hz (Default)
Mic Record	<ul style="list-style-type: none"> • On (Default) • Off
Park Monitor	<ul style="list-style-type: none"> • On • Off (Default)
G-Sensor	Options are: <ul style="list-style-type: none"> • Off • Low (Default) • Middle • High
About	Displays the APP version number, the firmware version number, and the product name.
Format Camera	<p>Select this to format the microSD card.</p> <p><i>If you format your microSD card, all your data will be lost.</i></p>
Clear App Storage	Clears files downloaded from the camera to the mobile device.

USING THE APP


Recording

Tap the Recording icon (). The Recording Status icon () blinks and a chime sounds. A white oval and the blue Status LED flash on the camera to indicate it is recording.


Stop Recording


Tap the blinking Recording Status icon (). It stops blinking and a chime sounds. The white oval on the camera goes away and the blue Status LED goes steady on.

Taking Snapshots


Tap the Camera icon (). The Recording Status icon changes to a camera icon. Tap the camera icon. A chime sounds, indicating that a snapshot has been taken.

Viewing

Tap the Recorded Files icon (). A list of recorded videos and snapshots displays. This screen, with Choose in the upper right corner, lets you select files to view on your mobile device.

If you want to download files to your mobile device, tap Choose and it changes to Cancel. Select the files you want to download and tap the Download icon ().

360° Viewing

From Live View, tap the 360° icon (); the camera changes to landscape view. Move your mobile device around. You can see all directions that the camera can see. Tap it again to return to regular viewing mode.




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 turned off, go to www.uniden.com for assistance.
The unit cannot record videos The unit automatically stops when recording	<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	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	In Settings, set White Balance to automatic.



General Problems	Possible Solutions
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

Dual Channel	Yes
Max. Resolution/FPS	1080P
Max. Memory Card Size/Type	64GB
Display Size	0.82 in. OLED
Viewing Angle	360° camera
Image Sensor	OV4689 400M
Aperture/Lens	F/2.0 7 Glass
ISO	N/A
GPS	No
G-Sensor	Yes
Parking Mode	Yes
Video Format	H.264 MOV
Loop Recording	Yes
Lane Departure Warning	No
Forward Collision Warning	No
Microphone	Yes
Operating Temp	-25°F - +149°F (-20°C - +65°C)
WiFi	Yes



Date/Time Stamp	Yes
Auto On/Off	Yes
Size	54 mm x 50 mm x 52 mm
Mount Type	Single suction cup
Power supply	Cigarette to USB
Certification	FCC/IC/CEC



FCC Part 15 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.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



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.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

CAN ICES-3(B)/NMB-3(B)

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

