

INSIGNIA™

USER GUIDE

Dash Camera

NS-CT1DC8



Before using your new product, please read these instructions to prevent any damage.

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Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-CT1DC8 represents the state of the art in dash camera design and is designed for reliable and trouble-free performance.

Important safety instructions

- Always read the safety instructions and *User Guide* carefully. Keep the *User Guide* for future reference.
- Do not drop or allow forceful impacts to the product, or install it in locations exposed to heavy vibrations.
- Do not disassemble or modify the product in any way. Disassembly or modification may void the warranty and cause damage.
- Do not use or store the product in damp locations. Liquid entering the product may cause damage or lead to fires or electric shock.

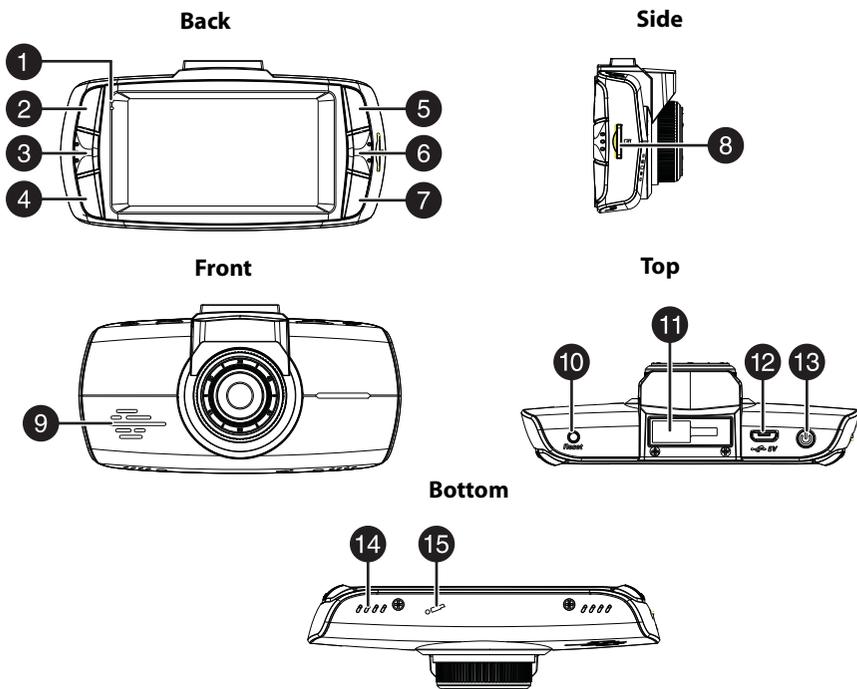
Features

- 1080p Full HD recording
- 2.7-inch LCD display
- Built-in G-sensor
- 130 degree wide-angle lens
- Built-in microphone
- Memory card slot
- Micro USB interface

Package contents

- Dash camera
- Suction mount
- Car adaptor
- USB cable
- *Quick Setup Guide*

Main features



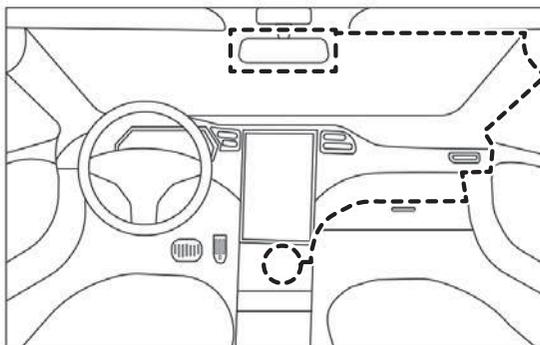
#	ITEM	DESCRIPTION
1	Indicator LED	Blue solid - Power on Red blinking - Video recording.
2	Camera button	In camera mode, press to take pictures. In video playback mode, press to delete the current file. In loop recording mode, press to take pictures.
3	Menu button	Press to switch between the <i>System Settings</i> screen, <i>Function Settings</i> screen, and the video interface. In replay mode, press to return to the previous page.
4	SOS video/file button	While recording, press to enter the emergency video interface. During playback, press to enable or close the video recording. When not recording, press to enter the playback file interface.
5	Up/WDR/OSD button	In loop recording mode, press to turn off the display. In stop mode, press to turn WDR (Wide Dynamic Recording) on or off. In OSD mode, press to go to the previous page.

#	ITEM	DESCRIPTION
6	Turn on/off video recording/OK button	While recording, press to stop recording. In stop mode, press to begin recording. In OSD mode, press to confirm selection.
7	Turn on/off sound recording/ Down button	Press to turn the sound recording on or off. In OSD mode, press to go to the next page.
8	MicroSD card slot	Add a MicroSD memory card (8GB to 32GB) to this slot for additional on-board memory.
9	Speaker	Plays sound from the device.
10	Reset button	Press to reset your dash camera.
11	Suction cup mount	Attach the suction cup to this mount.
12	Mini USB jack	Connect a USB cable to this jack to charge the dash camera or to download files to a computer.
13	Power button	Press to turn on the dash camera. Press and hold for two seconds to turn off the dash camera.
14	Vents	Provide airflow for the dash camera.
15	Microphone	Allows you to record voice-over comments.

Installing your dash camera

- 1 Attach the dash camera to the suction mount (provided).
- 2 Install the suction mount onto your car's front windshield, then adjust the dash camera to the proper angle for recording.
- 3 Plug the USB cable micro SD connector into the dash camera.
- 4 Plug the other end of the USB cable into the car charger (provided).
- 5 Plug the car charger into a 12V car socket.

Recommend to layout USB cable



Using your dash camera

Charging your dash camera

- 1 To charge your dash camera, plug the USB cable (provided) into the mini USB jack on the top of the dash camera.
- 2 Plug the other end of the USB cable into a car charger (provided).
- 3 Plug the car charger into the cigarette lighter. Your dash camera will begin charging when you turn on your car.

Turning on your dash camera

- 1 Press the power button to turn on your dash camera.
- 2 Press and hold the power button to turn off your dash camera.

Initially setting up your dash camera

When your dash camera is powered on for the first time, you will be prompted to enter basic setup information, such as Language, Year, Month, Day, Time Zone, Daylight Saving Time, and Time.

This information is required so that file names will be created correctly and time stamps will be accurate.

Subsequent startups will go directly to the video screen.

SETTING	OPTIONS
Resolution	1080p 1920 x 1080 - 30 fps 720p 1280 x 720 - 60 fps WVGA 848 x 480 - 30 fps VGA 640 x 480 - 30 fps
WDR	Wide Dynamic Range (automatically adjusts the exposure)
Recycle record	Sets the loop video duration. Settings include Off>1 min>3 mins>5 mins . When the MicroSD memory card is full, the oldest unlocked video will be deleted automatically. The event will not be deleted.
Record audio	Turns the sound recording on or off.
Date stamp	Sets the current date and time.
Exposure	Sets the white balance value of the video recordings.
Language	Sets the language of the OSD screens.
Speaker volume	Sets the initial button sound feedback volume.
Beep sound	Turns the button sound feedback on or off.
Auto display off	Sets the automatic power-off timer. Settings include On>1 min>3 mins>5 mins .
Format	Formats a new SD memory card. Note: Erases all your stored data. Back up your data before proceeding.

SETTING	OPTIONS
Default settings	Restores the dash camera to the factory settings.
Version information	Displays the current system version.
Time setup	Sets the system time setting.
Headlights on reminder	Press to turn the headlight reminder on or off.
Motion detection	When turned on, video recording is automatically initiated when a moving object is detected.
G-sensor	When the car is in a collision, the G-Sensor will automatically enter the Event Recording Mode to record and save the recorded images to the event video folder. The file is locked to ensure that files will not be overwritten by Recycle Record. The G-sensor setting allows you to adjust the sensitivity of the G-Sensor.

Recording video with your dash camera

- 1 Press the **OK** button to begin recording.
- 2 Press the **OK** button again to stop recording.

Taking still pictures with your dash camera

- Press the Camera button to take still pictures.

Understanding loop recording

When the MicroSD memory card in the dash camera is full, the camera continuously overwrites the oldest footage recorded. To protect a specific video clip against being overwritten, press the SOS Video button. The emergency record icon appears on the screen. Files can also be protected from the playback menu in Video Playback mode.

Using emergency recording

An emergency recording is initiated when the SOS Video button on the lower left of the Video screen is pressed or when the G-Sensor registers an impact. Emergency recordings create protected (locked) files that are not overwritten by continuous loop recording. In addition, to make sure that important footage isn't lost surrounding an incident, adjacent video clips are locked if the incident happens within 30 seconds of the beginning or end of a clip.

Downloading files from your dash camera

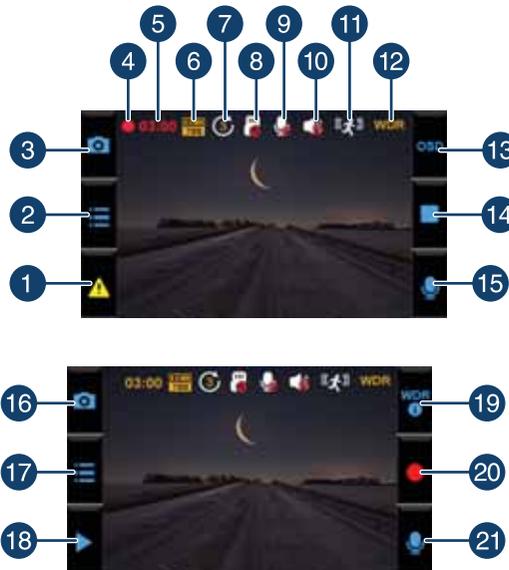
- 1 To download files from your dash camera, remove the MicroSD memory card from your dash camera and insert it into a card reader on your computer. The memory card will appear as a mobile hard disk device in your list of files.

- 2 Download the files to your computer into a directory you can easily find.
- 3 Right click the device, then select **Eject** from the option list that appears.
- 4 Remove the memory card and replace it into your dash camera.

Using the OSD (On-screen Display)

Press the Menu button (the first button on the right) once and all of the screen icons are hidden, press it again and the LED screen turns off, press it a third time and the LED screen opens with the icons displayed.

Using the video screen



#	ICON	NAME	DESCRIPTION
1		Warning	Press the function key to lock the current video document. This prevents the file from being recorded over by a loop video.
2		Setting	Press to enter the Setup menu.
3		Camera	In camera and loop recording mode, press to take pictures. In playback mode, press to delete the current file
4		Start	Press start recording. When recording, press to stop.
5	99:99	Working time	Record work time duration of playback.
6		Resolution	Press to change the current recording resolution.

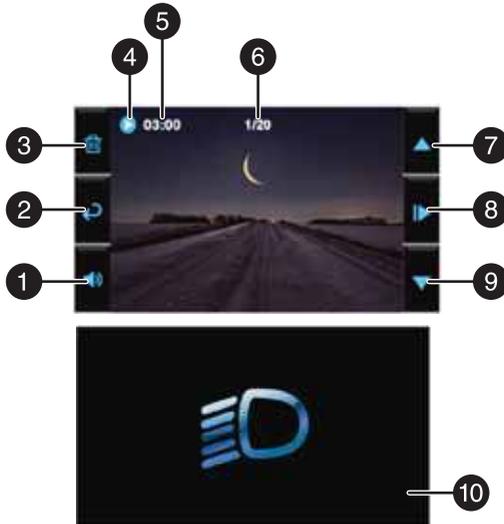
#	ICON	NAME	DESCRIPTION
7		Loop video time	Indicates the length of time a video file will be saved.
8		No SC card	Indicates that no SD card is present in the dash camera.
9		Microphone off	This icon is displayed to indicate that the DASH CAM is not currently recording sound.
10		Speaker off	Indicates that the speaker is turned off.
11		Motion detection	When enabled, automatically records video when motion is detected.
12		WDR (Wide Dynamic Recording)	Automatically adjusts the exposure.
13		OSD (On-screen display)	Press to turn on the display. Press again to turn off the display.
14		Stop	Press to stop recording.
15		Recording switch	Press to turn on the sound recording. Press again to turn off the sound recording.
16		Camera	In camera and loop recording mode, press to take pictures. In playback mode, press to delete the current file
17		Setting	Press to enter the Setup menu.
18		Playback files	Press to enter the playback menu.
19		WDR	Press to turn on WDR. Press again to turn it off.
20		Start video	Press to start a video recording. Press again to stop.
21		Recording switch	Press to turn on the sound recording. Press again to turn off the sound recording.

Using the Menu Set screen



#	ICON	NAME	DESCRIPTION
1		Setting	Press to enter the Settings menu.
2		Menu button	Press to enter the OSD menu. In the <i>System Settings</i> menu, press to enter the <i>Function Settings</i> menu. In the <i>Function Settings</i> menu, press to switch to the video interface. In replay mode, press to return to the previous page.
3		Function setting button	Press to switch to the <i>Function Settings</i> menu.
4		Up button	In Loop Recording mode, press to turn off the screen. In Playback mode, or in the Settings screen, press to return to the previous screen. In non-video mode, turns the WDR function on or off.
5	OK	OK button	In Video mode, press to stop recording. In Camera mode, press to start recording. In the playback list, press to confirm a selection.
6		Down button	In Loop Recording mode, press to turn sound recording on or off. In Playback mode, or in the Settings screen, press to go to the next screen.

Using the Video screen



#	ICON	NAME	DESCRIPTION
1		Speaker volume switch	Press to cycle through the available speaker volumes.
2		Back to previous page	Press to return to the previous page.
3		Delete files	Press to delete the current file.
4		Video play button	Press to play video.
5	99:99	Time duration of playback	Time length of the selected file.
6	1/20	Current playback page	Indicates the currently displayed playback page.
7		Up button	In Loop Recording mode, press to turn off the screen. In Playback mode, or in the Settings screen, press to return to the previous screen. In non-video mode, turns the WDR function on or off.
8		Play/pause button	Press to begin playback. Press again to pause playback.
9		Down button	In Loop Recording mode, press to turn sound recording on or off. In Playback mode, or in the Settings screen, press to go to the next screen.
10		Headlight reminder screen	Press to turn the headlight reminder on or off.

Troubleshooting

Check the following guide for the possible causes and solutions for a problem before contacting the nearest service center or dealer for repairs.

PROBLEM	SOLUTION
My dash camera won't turn on	<ul style="list-style-type: none"> • Make sure that the power cord is properly connected. • Make sure that your vehicle's cigarette lighter socket is clean and free of corrosion. • Make sure that the power cord's cigarette lighter adapter is firmly seated in your cigarette lighter, and that the status LED is on.
My pictures and video are blurry	Clean the lens with a lens cloth.
The video quality is poor	You can set the resolution for recording video. As the resolution goes up, the image becomes clearer, sharper, more defined, and more detailed.
I do not want some videos overwritten	In recording mode, press "SOS video" to manually activate Event Recording. The recorded files are protected and will not be overwritten
The mounting bracket cannot be firmly mounted to the windshield	Please make sure the glass is not dirty or moist. Also, there is a protective film on the back of mounting bracket that must be removed.
There is no sound in the videos / I do not want sound in the videos	You can press the Microphone button to enable or disable the microphone function during recording.
I want to recycle the film within five minutes	Enter Recycle Recording in Menu Configurations to adjust the length of time that a video is saved before being overwritten. You can select one minute, three minutes, or five minutes
I can't transfer the films or the photos from the dash camera to a computer	Some USB cables are only for charging and cannot transfer films or photos. You can remove the SD card from the dash camera and put it in your computer card reader or a USB card reader to transfer data you want to store on the computer.
The screen suddenly goes black	When the unit remains idle for a certain period of time, it will save power and ensure safe driving by automatically turning off the backlight on the LCD screen. The recording is still working. If you want the LCD screen always turned on, refer to the Auto Display Off Setting in Menu Configurations.
Is the Recycle Recording seamless or will any recorded time be missed?	It is seamless video recording without any time being missed.

Specifications

Display	2.7-inch TFT LCD (960 x 240 resolution)
Video resolution	1080p 1920 x 1080 - 30 fps 720 1280 x 720 - 60 fps WVGA 848 x 480 - 30 fps VGA 640 x 480 - 30 fps
Capture resolution	8 MP
Photo format	JPG
Video format	MOV
Video frequency	50 Hz
Lens angle	130°
MicroSD card (Not provided)	Capacity - 8GB to 32GB high speed Class - 6 - 10 Note: Format new card before using
Dimensions	2.13 x 3.93 x 1.18 in. (54 x 100 x 30 mm)
Languages	English, French, and Spanish

Legal notices

FCC Part 15

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

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 measure

- 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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada IC statement

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

Notices

Specifications and features are subject to change without notice or obligation.
For service and support call 1-877-467-4289.

ONE-YEAR LIMITED WARRANTY

Definitions:

The Distributor* of Insignia branded products warrants to you, the original purchaser of this new Insignia-branded product ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period").

For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy branded retail store or online at www.bestbuy.com or www.bestbuy.ca and is packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy retail store location or from a Best Buy online website (www.bestbuy.com or www.bestbuy.ca), please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain warranty service, in the United States call 1-888-BESTBUY or in Canada call 1-866-BESTBUY. Call agents may diagnose and correct the issue over the phone.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the county where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning, and other acts of God, such as power surges
- Accidental damage
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.

- Modification of any part of the Product, including the antenna
- Display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries(i.e. AA, AAA, C, etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

1-877-467-4289

www.insigniaproducts.com

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