

DRV-330

B5A-2534-10(E)

Formatting the memory card



2 Press the ↑ / ↓ buttons to select "Format", and press the ✓

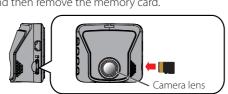


Press the buttons associated with the icons that appear.

A confirmation message appears. 3 Press the **▽** button.

Just in case ...

o prevent your recorded files from being overwritten, turn the power to the device off, and then remove the memory card.



As a rule of thumb, format the memory card before you use it and about once every two weeks. We recommend that you save any necessary videos and still images to your computer.

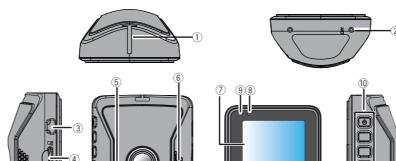
1 Press the (b) button to display the menu.





Names and Functions of Parts

The following explains how to do the device's basic operations and settings.



- ② **Reset button** Resets the device.

(3) Mini USB port (DC5V)

Connect the provided car charger cord or the separately-sold CA-DR150 on-board power cable for dashboard cameras You can also connect a USB cable (commercially available) to connect to a computer.

- 4 microSD card slot Insert an SD card for recording.
- (5) Camera lens
- 6 Speaker
- 7 LCD display
- 8 Microphone Records audio.

Setting up the Device <Be Sure to Do This Prior to Using It>

Step1: How to Install/How to Wire

Recommended installation position

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nstall the device in a position where it will not block the front view of the driver (position whe nidden by the rear-view mirror)

nstall the device so that it is within the wiping range of the wiper.

Mounting the device to the center of the windshield behind the rear-view mirror will facilitate optimal video recording

When passing the power cord through the front pillar or another part, observe the following points when performing the wiring work.

Nire the power cord farther forward or farther rearward than the airbag so that it does not interfere with

n the case of a vehicle in which the front pillar cover is fixed in place with special clips or the like, the clips may need to be replaced after you remove the front pillar cover. For how to remove the front pillar cover, he availability of replacement parts, and other information, contact the vehicle dealer. ix the power cord in place with commercially available soft tape or the like so that it does not interfere

- Confirm that your car is parked in a level area.
- 2 Use a commercially available cleaning cloth to wipe off any dirt or grease from the location you are mounting the device.
- 3 Follow the procedure below to mount the device securely inside



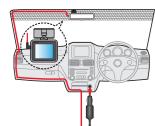


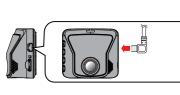


Confirm the position in which to affix the device, and then affix it. To strengthen the bond of the adhesive tape, let it set for over 24 hours before use.

Connecting via the provided car charger

Connect the provided car charger to the car's lighter socket, connect the power cord to the device, and then arrange the cord.





2 Turn on the engine.

The power turns on and starts charging the device. The lamp on the car charger lights green

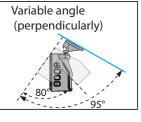
3 Let it charge like that for at least 3 minutes.

After it has charged for over 3 minutes, you can use it.

Adjust the mounted angle.

When you are actually using the device, make sure that the camera's field of view is parallel to level ground and that the ground-to-sky ratio is about 6 to 4.







Remove the protective sheet from the camera lens.



6 Press and hold the power button until the power turns off. Once again, press and hold the power button to turn it on again.

• Be sure to turn the power on again whenever you finish adjusting the angle. In addition, turn the power back on whenever you leave the power on while removing the device from the bracket or after the angle has changed and you readjust it while

The adjusted angle is recorded when the power is turned on.

Connecting via the CA-DR150 (optional accessory)

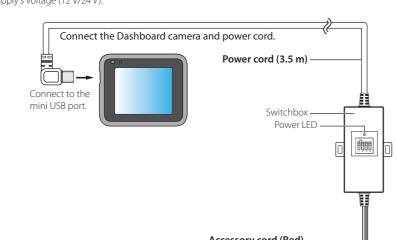
Before connecting the device, be sure to read and understand the instruction manual that come with the CA-DR150 (optional accessory), and then mount it safely. Additionally, read about the witch settings and wiring beforehand

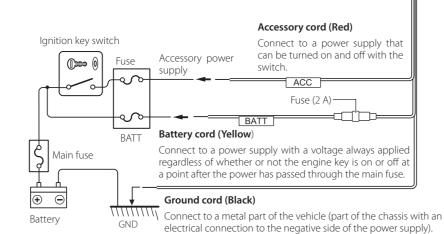
1 Do the settings for the "Voltage cut-off value settings" and "Off timer settings".

Be sure to read the instruction manual that comes with the CA-DR150 (optional accessory), and then do the settings.

2 Do the wiring.

The 5-V power supplied to the dashboard camera starts after a certain period (around 20 seconds), even though the accessory's power is on, to allow the dashboard camera to assess the power





Turn the engine key to on and let the device charge like that for at

You can use it after it has charged for 3 minutes.

4 Adjust the mounted angle.

When you are actually using the device, make sure that the camera's field of view is parallel to level ground and that the ground-to-sky ratio is about 6 to 4. Refer to the illustration in step 4 of "Connecting via the provided car charger".

Remove the protective sheet from the camera lens.

Refer to the illustration in step 5 of "Connecting via the provided car charger".

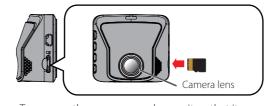
6 Press and hold the power button until the power turns off. Once again, press and hold the power button to turn it on again.

· Be sure to turn the power on again whenever you finish adjusting the angle. In addition, turn the power back on whenever you leave the power on while removing the device from the bracket or after the angle has changed and you readjust it while the power is on. The adjusted angle is recorded when the power is turned on.

Step 2: Inserting and Formatting a Memory Card

Press and hold the power button until the power turns off.

2 Confirm that the power is off, and then insert your memory card into the device.



To remove the memory card, press it so that it comes out a little, and then pull the memory card out. After that, turn the power on again.

3 Press and hold the button until the power turns on.

4 Format the memory card.

As a rule of thumb, format the memory card before you use it and about once every two weeks. See "Formatting the memory card" for more about these operations.

If you do not use parking mode, the setup ends here for you. If you plan on using parking mode, continue to Step 3.

Step 3: Turning on Parking Mode

1 Press the 🕛 button to display the menu.



2 Press the ↑ / ▶ buttons to select "Parking Mode", and press the ✓



Press the buttons associated with the icons that appear.

3 Press the ↑ / ↓ buttons to select "Detection", and press the ✓

- 4 Press the ↑ / ↓ buttons to select "On", and press the ✓ button.
- **5** Press the **✓** button.

A confirmation message appears.

6 Press the ← / → buttons to select either 1/3 or 3/3 for "Storage Allocation", and then press the **▽** button.

2/3 is a setting for which there is no area for parked recordings. The initial value is set to







 If you change the allocation, it erases the data in the memory card. Before changing this setting, we recommend that you save any necessary videos and still images to your computer.

Storage area allocation	Memory card capacity	Continuous (recording)	Event (recording)	Parked (recording)	Still images
1/3	4 GB	Approx. 32	Approx. 3	Approx. 3	Approx. 75
		minutes	minutes	minutes	images
	8 GB	Approx. 1 hour	Approx. 7	Approx. 7	Approx. 150
		and 5 minutes	minutes	minutes	images
of the allotted	16 GB	Approx. 2 hours	Approx. 15	Approx. 15	Approx. 300
capacity	10 00	and 10 minutes	minutes	minutes	images
	32 GB	Approx. 4 hours	Approx. 30	Approx. 30	Approx. 600
	32 GB	and 20 minutes	minutes	minutes	images
	4 GB	Approx. 32	Approx. 6		Approx. 75
		minutes	minutes		images
2/3	8 GB	Approx. 1 hour	Approx. 14	There is no	Approx. 150
		and 5 minutes	minutes	storage area for	images
of the allotted capacity	16 GB	Approx. 2 hours	Approx. 30	parked record-	Approx. 300
		and 10 minutes	minutes	ings.	images
	32 GB	Approx. 4 hours	Approx. 60		Approx. 600
		and 20 minutes	minutes		images
Allocated by number of files (Continuous depends on the space remaining for other files)	4 GB	Approx. 32 minutes			
	8 GB	Approx. 1 hour and 5 minutes			
	16 GB	Approx. 2 hours and 10 minutes	Max. of 20 files	Max. of 10 files	Max. of 10 files
	32 GB	Approx. 4 hours and 20 minutes			

- the recording conditions
- When the storage area starts to run out, the old recordings are deleted as new recordings are re-

A confirmation message appears. 7 Press the button.

The parking mode setting turns on.

If you have connected the CA-DR150 (optional accessary), go to step 8.

8 Confirm that "Medium" is set as the selection for "Auto Entry" in the third operation in procedures 1 and 2 of "Step 3: Turning on Parking

• The setting at the time of purchase for the device's "LCD Standby" is "Always On". The screen remains bright during the parked recording mode, as well. If you want to make the screen display darker, refer to "Changing the Settings for the Screen Display Time during Continuous Recording and Parking Monitoring" on the reverse side.

(9) Indicator LED

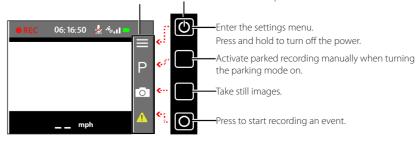
Status	Charge	Recording status			
Lit green	Charging	Not recording*			
Not lit	Not charging	Not recording*			
Flashing green and orange alternately	Charging	Recording			
Lit red	_	Monitoring parking mode			
Flashing red	_	Recording			
* "Not recording" indicates that the menu is displayed or a recorded file is playing.					

10 Operation buttons

Operate the device using these.

The functions of the 4 buttons are indicated by the icons that appear on the screen. The functions of the buttons differ depending on the screen that is displayed.

The screen's icons are associated with the operation button:



Takes still images. : Starts recording an event. akes still images.

The Device's Screens and Operations

Screen

Name of the

screen

Continuous

recording

Event record

ing

: Press to show a message. Pressir ng 🗸 stops the parked recording mode and ret Parking mode continuous recording While motion A bar appears on the right side of the screen if you detection is elect either "Both" or "Only Motion" in "Detection engaged Method". If motion is detected, the bar extends

Button explanations

Appears when the parking mode is on.

: Stops recording the event and returns to

Displays the menu.

Press to enter parking mode.

continuous recording.

⇒ : Press to show a message. Pressing ✓ stops Parking mode Impacts continuous recording.

Recording Modes

Function 1: Continuous recording Always records video while you are driving

Continuous recording The device is always recording, from when it is turned on to when it is turned off

If you turn the key to ACC, the device's power turns on and, after a few seconds, starts to automatically do continuous recording (always recording). In continuous recording, files are separated and saved.

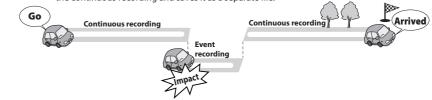


- The recording data is saved to the "Video" folder.
- Recorded files are automatically overwritten starting from the oldest file.
- You can set the recording time for 1 file in the settings menu's [Video Reording] [Video Clip Length]. (Reverse side) At the time of purchase, this is set to 3 minutes.

Function 2: Event recording

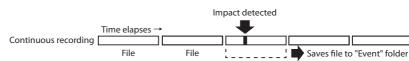
Records when it detects an impact while you are driving.

When the device detects an impact, it extracts only the file that detected the impact from the continuous recording and saves it as a separate file.



The device detects sudden impacts, rapid acceleration, abrupt turns, unexpected collisions, and such, and records the event If you want to manually start an event recording, press the event recording button. When an event has

been recorded, the device returns to continuous recording (always recording)

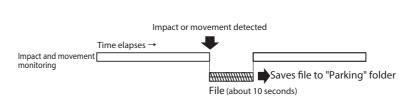


- The recording data is saved to the "Event" folder
- Recorded files are automatically overwritten starting from the oldest file.
- You can set the recording time for 1 file in the settings menu's [Recording settings] [Recording time settings]. (Reverse side) At the time of purchase, this is set to 3 minutes.

Function 3: Parking recording

Records when it detects impacts or movements while you are parked, as well. Parked recording

Recording begins if the device detects impacts or movements for about 25 minutes after your car is parked in a parking lot, or someplace, and you turn off the device.



■ To use the parked recording function, refer to "Step 3: Turning on Parking Mode" Recorded files are automatically overwritten starting from the oldest file.

n parking mode, the device monitors for impacts with your vehicle and movements within the range of the lens. If it detects movements or impacts with your vehicle while monitoring, it activates parked

- The data for parked recording is saved in the "Parking" folder.
- The parked recordings extend to a maximum of 60 seconds, depending on the detection of impacts and movements
- Parked recordings start a few seconds after the device detects impacts or movements. You can set the sensitivity for monitoring methods in the settings menu's [Parking Mode] — [Detection Method].

If You Want to Use the Parked Recording Function Longer

the "Video" folder until it reaches the off timer settings value.

Use the separately-sold CA-DR150 on-board power cable for dashboard cameras and turn parking mode on. To do continuous recording while parked, set the [Auto Entry] settings to [Manual]. While

overwriting older files without switching to parking mode, the device continues recording to

Function 4: Still image recording Takes a still image of the displayed video

1 Press the o button.



- The recording data is saved to the "Photo" folder. Still image files are automatically overwritten starting from the oldest file.
- You cannot take still images while doing parked recording, displaying menus, or playing back recorded files.

Playing a Recording File

Use the device to play back files that are recorded on it.

1 Press the (b) button to display the menu.



2 Press the ↑ / ↓ buttons to select "File Playback", and press the ✓



back, and then press the **button**. 4 Press the ← / → buttons to select a file that you want to play back, and then press the v button.

3 Press the ↑ / ↓ buttons to select a folder that you want to play



Play/Pause: Press the button to play back a file you are viewing.

If you press it again, the file you are viewing is deleted.

Press the button to move a file you a viewing to the "Event" folder.

"Are you sure you want to delete it?" appears when you press the 🗹 button.

Using the PC Application

KENWOOD ROUTE WATCHER II is a PC application for displaying video recorded with the device.

System Requirements for KENWOOD ROUTE WATCHER II

OS: Microsoft Windows 10, Windows 8.1, Windows 7 (except for the Windows 10 Mobile, Windows RT)

* Windows 7 Service Pack 1 must be installed. OS: Apple Mac OS X 10 11 (Fl Capitan) or later

• Install the software in a computer environment in which you have administrator's rights.

1 Download the installer from http://www.kenwood.com/cs/ce/. 2 Install according to the on-screen instructions.

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Displaying the Menu

1 Press the button to display the menu.



- When you are in parked recording mode, press the power button to cancel it.
- · Recording halts while the setup menu is on display.



Returns to a previous item.

Move the menu down

Menu		Item	Function explanation	
File Playback		Video* Event Parking Photo	Select the folder and file to play back. While playing the file back, you can move it and delete it.	
Sound Recording		On* Off	Set whether or not to record sound at the sam time as recording video.	
	Detection	On Off*	Set whether or not to use parking mode. A screen to set the storage area and to format the memory card appears when the parking mode is set to "On". Save any files you need to a computer, etc., before you change any settings. For information about how to do these settings, see step 3 of "Setting up the Device" on the front of this manual.	
	Detection Method	Both* Only G-sensor Only Motion	Set the detection method that starts the parking mode's video recording. Only G-sensor: Monitors impacts with your vehicles. Only Motion: Monitors movements within the range of the lens.	
Parking Mode	Auto Entry	Easy Medium* Difficult Manual	While the device's power is on, if the unit has not felt any vibrations from the vehicle for about 5 minutes, it determines that the vehicle is parked, and activates parked recording mode. Set the sensitivity of the sensors that activate the parked recording mode. Easy: parked recording mode activates when there are subtle vibrations Difficult: parked recording mode activates when there are harsh vibrations Manual: manually activate the parking mode without automatic activation To activate the parking mode manually: Press the button.	
	Motion Detection	Low Medium* High	Set the sensitivity at which the movements of people and vehicles in the range of the lens are detected.Low (hard to detect) ↔ High (easy to detect)	

	G-Sensor Sensi-	Low Medium*	Set the sensitivity to detect impacts with your vehicle.		
	tivity	High	Low (hard to detect) ↔ High (easy to detect)		
/ideo	Video Clip	1 min	Set the recording time per file that is recorded		
Recording	Length	3 min*	during continuous recording (always recording		
		5 min	and event recording.		
	WDR	On*	Set the function that reduces underexposure		
	WDIT	Off	and overexposure when there is a big		
		OII	difference in the lighting of the scene.		
	FV	-1 to 0* to 1	Set the brightness of the screen and the		
		1 10 0 10 1	exposure level (brightness) of the image being		
			recorded.		
	G-Sensor Sensi-	Low(1) to (4*)	Set the detection sensitivity for impacts that a		
	tivity	to High(6)	stored to the event recording area, according		
			to the impact that occurred during normal		
			recording.		
			High: easy to detect		
			Low: hard to detect		
	Stamps	Coordinates*	Set the information to be recorded in the		
	Starrips	G-sensor	recorded image. The information appears at		
		0 301.301	the bottom right of the recorded image and ir		
			KENWOOD ROUTE WATCHER II.		
	Speed stamp	On*	Set whether or not to show the speed you we		
	-	Off	driving in the recorded files.		
		10			
	Text stamp	_	If you enter text (a maximum of 12 characters)		
			it appears at the bottom right of the recorded		
	C . III.		files during playback.		
System	Satellites	_	Shows the reception status of the GPS signal.		
	Date/Time	Use GPS time*	This automatically sets the date and time.		
			You must set the "Time Zone" and "Daylight Saving		
			Time".		
		Manual	Manually set the date and time.		
	System Sound	On*	Set whether or not to have warning sounds or		
	System Sound	Off	menu operation sounds.		
	Volume	4.	·		
	volume))	Set the volume for playing back video files.		
	LCD Charalles	Alaman On*	Set the amount of time until the screen display		
	LCD Standby	Always On*	1		
		10 sec	turns off when it is not in use.		
		1 min	Press any of the device's buttons to turn the		
		3 min	screen display back on.		
	Language	Select the langu	age used for the setting items. Default is "English		
	6		To and the second second		
	Distance Unit	Metric	Set the units for distance and speed.		
		Imperial*			
	Storage Alloca-	1/3	Set the storage areas for saving continuous		
	tion	2/3*	recordings, event recordings, parked recording		
		3/3	and still images.		
		1	Changing the settings formats and deletes all		
			data. Make a backup of the necessary files in		
			your memory card before doing this.		
	Restore to	A massa a a a a a	<u> </u>		
	Defaults		ears. Press the button to return the menu's		
	20.0010	settings to the fa			
	Press the value button to format and erase all data. Make a back				
	of the necessary files in your memory card before doing this.				
- ·	Version Shows the version.				
Format	Format the memory card.				
	Doing this formats and deletes all data. Make a backup of the necessary files in your				
	memory card before doing this.				
	t the time of purc				

Changing the Settings for the Screen Display Time during Continuous Recording and Parking Monitoring

You can set the time until the display screen darkens (the screen turns off) when it is not in use. At the time of purchase, this is set to "Always On". The screen remains bright, even in parking mode You cannot set the brightness for each mode separately, such as during parking mode.

The screen darkens at the set time when it is not in use if this is set to anything other than "Always On".

- The function in which the screen display darkens (the display turns off) does not work in instances such as displaying the menu, during parked recording, and during event recording, except for when doing continuous recording and monitoring parking.
- The monitoring time for parking mode shortens if anything other than 10 seconds is



2 Press the ↑ / ↓ buttons to select "System", and press the ✓



ress the buttons associated with the icons that appear.

- 3 Press the ↑ / ⊌ buttons to select "LCD Standby", and press the ✓
- 4 Press the ↑ / ⊌ buttons to select the time you want to set, and then press the **v** button.

Changing the Set Recording Time for Continuous Recordings and Event Recordings

1 Press the button to display the menu.

1 Press the button to display the menu.



2 Press the ↑ / ⊌ buttons to select "Video Reording", and press the



on our health and the environment

ess the buttons associated with the icons that appear.

- 3 Press the ↑ / ↓ buttons to select "Video Clip Length", and press the
- 4 Press the ↑ / ▶ buttons to select the time you want to set, and then press the button.

Setting the Date and Time

Set the date and time of the device.

1 Press the button to display the menu.



2 Press the ↑ / ↓ buttons to select "System", and press the ✓



Press the buttons associated with the icons that appear.

- 3 Press the ↑ / ↓ buttons to select "Date/Time", and press the ✓
- Press the 1 / 4 buttons to select an item, and press the 2 button. When "Use GPS time" was selected, the timezone settings is displayed.
- Press the \uparrow / \checkmark buttons to select the timezone, and press the \checkmark button.
- 5 Press the ↑ / ↓ buttons to select the "Daylight Saving Time", and press the **button**.

Daylight Saving Time:Off*/+1 hour/+30 min/-1 hour/-30 min

When "manual" was selected, the "Date/Time" is displayed. See the following for information about operations.

Manually Setting the Date and Time

- 1 Do the processes until step 4 of "Setting the Date and Time", and then select "manual".
- 2 Press the ↑ / ⊌ buttons to select the items, (year, month, date, hour, minute, and second), and then press the button.



Press the buttons associated with the icons that appear.

- 3 Repeat the process for step 2 to change the values until "second".
- Press the confirmation button with "second" selected.







Recording preservation timing

microSDHC card 4GB to 32GB Class 6 or higher

Dimensions WxHxD (Main unit)

Mounting bracket (double-sided tape) x 1

The microSDHC logo is a trademark of SD-3C LLC.

• The specifications and design are subject to change due

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OTHER DEALINGS IN THE SOFTWARE.

Continuous / Event / Parking

Frame rate

Recording Mode

1/3/5 m

Video format

H.264(MP4)

USB Port

Picture format

Recording media

mini USB-B type

JPFG (Max.1920 x 1080)

61mm x 54mm x 32mm

Car charger cord (3.5 m) x 1

to technological developments

Weight (Main unit)

Accessories

Precautions and notices

Precautions and notices

- Warning! Do not operate the device while driving. Using this product does not change the requirement for a driver to take full responsibility for his or her behavior. This responsibility includes observing all traffic rules and regulations in order to avoid accidents, personal injury or property damage.
- For your own safety, do not operate the controls of the product while driving. • A window mount is needed when using the recorder in a car. Make sure that you place the recorder in an appropriate place, so as not to obstruct the driver's view or deployment of airbags.
- Make sure that no object is blocking the camera lens and no reflective material is placed near the lens. Please keep the lens clean.
- If the car's windscreen is tinted with a coating, it may impact the recording quality.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Caring for your device

- Taking good care of your device will ensure trouble-free operation and reduce the risk of
- Keep your device away from excessive moisture and extreme temperatures.
- · Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Nonadhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft, do not leave the device and accessories in plain view in an unattended vehicle
- Overheating may damage the device.

Cleaning the Device

When the device is dirty, wipe it with a dry silicone cloth or other soft cloth. If the device is very dirty, remove the dirt with a cloth with neutral cleaner on it and then wipe off the cleaner. Wiping the device with a hard cloth or using using a volatile substance such as thinner or alcohol may cause scratches, deformation, deterioration, or other damage.

When the lens is dirty, gently wipe it with a soft cloth dampened with water. Rubbing the lens strongly with a dry cloth may cause scratches.

Precautions for Installation

- Install the device in a position where it will not block the front view of the driver (position where hidden by the rear-view mirror).
- Install the device so that it is within the wiping range of the wiper.
- Install the device in a position where it will not interfere with the movement of the rear-
- Take care not to install the device over the vehicle inspection sticker or other sticker.
- Take care not to install the device where it will interfere with driving or airbag operation.
- When installing the device in a vehicle equipped with a driving support system, check the instruction manual of the vehicle and then select an installation location that will not interfere with the driving support system.
- If the device is installed incorrectly, event recording or parking recording may not work correctly. Refer to "How to Install" for the loosening of fixing knob, installation orientation, installation angle, and other information and then install the device correctly.
- Do not install the device near a digital terrestrial television antenna or an electrical component. Doing so may reduce television receiver sensitivity or cause flickering and
- Use a commercially available cleaning cloth or the like to wipe off all dirt and grease on the mounting surface and then fix the mount base in place. If the device is re-affixed or mounted using, for example, general-purpose double-sided tape, the adhesion strength may weaken and cause the device to fall.
- After mounting the device, leave it for 24 hours before use to enable the mounting strength of the mount bracket to improve. Failing to do so may result in the adhesion of
- the mount bracket becoming weak and the device falling.
- Fix the cord in place with tape or the like so that it does not interfere with driving.

Precautions for Use

Do not block the camera lens, get dirt on it, or place a reflective object near it. When LED traffic lights are recorded, video in which they appear to be flickering or flashing may be recorded. JVC KENWOOD assumes no responsibility with regard to the distinguishing or recording of

If coating is used on the windshield of the vehicle, recording quality may be affected. There is no guarantee that the device can record video in all conditions.



Declaration of Conformity with regard to the RE Directive 2014/53/EU Declaration of Conformity with regard to the RoHS Directive 2011/65/EU Manufacturer: MITAC Digital Technology Corporation No. 200, Wen Hwa 2nd Rd., Kuei Shan Dist. 33383 Taoyuan City,

Hereby, we declare that the radio equipment DRV-330 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

URL: http://www.kenwood.com/cs/ce/eudoc/



Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for countries that have adopted separate waste collection systems)

Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed of as household

Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste by products. Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources while preventing detrimental effects

1920 x 1080 Full HD(Max.2.0M)

It was confirmed to use it with Windows XP, and Ubuntu 12.10

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Specifications

Screen size

2.0inches Full color TFT Operating voltage (DRV-330)

Current Consumption

430mA (Max.1A)

GPS Receiver

G-sensore

Built-in

Collision sensitivity 0.5G to 3G (0.5G step)

Image sensor 1/2.7 Color CMOS sensor **Number of Pixel**

2M Pixels(1920x1080)

Angles of view Horizontal: 100° Vertical: 52°

Diagonal: 111° Lens F2.0

===Author===

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Minimum object illuminance

Operating temperature

-10 °C to +60 °C Recording resolution

==Konatu Description== This is TrueTypeFont where BitmapFont is embedded.

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Others

Guidelines for Recording Times (While the Battery is Full)

Standing by in parking mode: approx. 25 minutes During continuous recording (time for always recording): approx. 15 minutes

Guideline for Charging Time

When using the provided car charger: approx. 3 hours

*The battery is not fully charged directly after purchase. As a result, operations may become unstable, and you may not be able to do parked recording. Start using the device after it is fully charged.

- GPS positioning begins when the power of the device turns on. Positioning may take about 5 minutes to complete depending on the GPS positioning conditions.
- GPS satellite signals cannot pass through solid materials (except glass). GPS positioning cannot be used in tunnels and buildings. Signal reception may be affected by conditions such as bad weather and dense overhead obstacles (e.g., trees, tunnels, viaducts, and tall buildings). Speed, position, and other information will not be
- displayed correctly when GPS satellite signals cannot be received. GPS positioning data is reference values.
- GPS is managed by the U.S. government, which assumes full responsibility for its performance. Changes to the GPS system may affect the accuracy of all GPS devices.

If You Notice a Problem with the Device

Reset the device. Turn off the power by pressing the reset button on the back of the device with the tip of a thin paperclip. Press the power button once again to turn the device on again

SD Cards Cards supported by this device

Standard 4 GB to 32 GB Capacity Speed class Class 6 or higher File system

Up to the Class 10 speed class is supported.

Precautions for using SD cards

• When using a commercially available SD card, also check the instructions supplied with the SD

• SD cards have a product lifespan, such as the number of times that writing can be performed. It is recommended to replace the SD card with a new one regularly depending on the usage

• Be sure to format (initialize) an SD card with the device before use.

- When inserting and removing an SD card, confirm the orientation, do not bend it, and do not apply a strong force or impact to it. • Do not directly touch the contact part with a hand or metal. The stored data may be damaged
- or lost due to static electricity. • Be sure to back up (copy) the required files in the SD card to a PC or other device. The saved data may be lost due to the usage conditions of the SD card. Please note that JVC KENWOOD
- cannot compensate for any damages arising from the loss of saved files.
- Format the memory card periodically. • Do not remove the memory card while recording or during playback because it may corrupt the data on the memory card.
- The device may not operate normally if you use an SD card that was used by another
- device, such as a computer or digital camera. Format the memory card in the device. • Depending on the specifications of the memory card, the reading and writing

speeds for the device's data may differ.