

KENWOOD Motorsports CAM Viewer Operations Guide

The KENWOOD Motorsports CAM Viewer is a computer program designed for viewing video recorded by the main unit.

The program can be downloaded from our company website. Check the product page for details.

<https://www.kenwood.com/cs/ce>

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Windows operating requirements

Compatible OS	Windows 10 (32-bit/64-bit)
CPU	Intel Core i3 2 GHz or better
Memory	2 GB or more
Display	1280 × 800 or greater
Sound	Functions that can playback PCM sound in Windows

Mac OS X operating requirements

Compatible OS	Mac OS 10.14 or later
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Using the Computer Viewer Program (Windows)

The KENWOOD Motorsports CAM Viewer is a computer program designed for viewing video recorded by the main unit.

The program can be downloaded from our company website.

Check the product page for details.

Installing the program

Double-click the software installer downloaded to your computer and follow the directions on your screen to install the program.

Playing files

1. Remove the SD card from the unit and use a card reader (a commercial product) to connect it to your computer.

2. Open the KENWOOD Motorsports CAM Viewer.
3. Select the SD card from the list of drives.



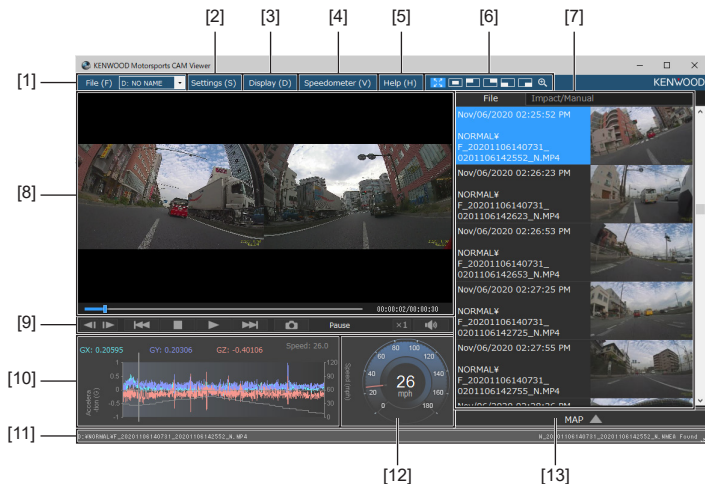
To play saved files on your computer, use "Select folder (S)" from "File (F)" and select the files.

4. Select the files you want to play from the "File" or "Event/Manual" tab and play them.

File	Displays all files.
Event/Manual	Displays recorded event and manual files.

5. Either click the "x" button or select "Close (X)" from "File (F)" when finished.

KENWOOD Motorsports CAM Viewer screen



[1] File operations

Perform operations like selecting and backing up files.

Select folder (S)	Selects the SD card drive or backup folders on your computer.
Export to kmz/kml (E)	Exports a route information file (kml/kmz) that can be used with the OpenStreet-Map map service.
Back up (B)	Backs up files on the SD card to the hard drive on your computer, etc. as needed.
Close (X)	Closes the computer viewer program.

 (Drive list)

Used when playing files saved on SD cards.

[2] Settings

Write the device settings onto the SD card. Use Settings (S) > Device Settings (S) to specify the drive where the SD card is inserted.

- Recording time for each file
- Impact detection level
- Sound recording
- Rear camera
- Video quality
- Wireless LAN
- Time zone settings

[3] Display

- Languages
Japanese/English/French/Spanish
- Select units
km/h, MPH

[4] Speedometer




Turns the speedometer ON or OFF. When set to ON, the speedometer and the G sensor chart showing vehicle speed as a waveform will be displayed.

[5] Help

Displays the version of the computer viewer software.

[6] Recorded video playback screen selector

Expands the video playback screen.

	Displays the regular screen.
	Expands the video to the center, upper-left, upper-right, lower-left, or lower-right.
	Moves the video frame and also zooms in on the desired location up to a factor of 5. Pressing "Reset" will return the display to regular zoom (1).










[7] File list

Displays a list of the files selected in the Select tab and their thumbnails.

[8] Video screen

Displays video from the selected file. You can use the playback bar to move to any point in the video. The screen is divided into two parts, the front and rear cameras. Double clicking one of the videos will display just that video and clicking again will return to the split screen.

[9] Operation buttons

	Moves the video frame by frame.
	Returns to the start of the file being played. Plays the next file.
	Stops playback.
	Press during playback to pause the video.
	Press while paused to resume playback.
	Takes a still shot of the video display at the time the button is pressed.
	Shows the playback status.
	Changes playback speed. ($\times 1/2$, $\times 1$, $\times 2$, $\times 4$, $\times 8$, $\times 16$)
	Adjusts the volume. (0 to 100)

[10] G sensor chart

Displays the vehicle's longitudinal (GX), lateral (GY), and vertical (GZ) movement and speed as a waveform.



- The speed display in the G sensor chart may change depending on how the main body was installed in the vehicle.

[11] File path of the video being played

[12] Speedometer



- The device's speedometer may not match the vehicle's actual speed. Use it as a guide only.

[13] Map display button

Clicking the file list will display the location information of the selected video files on a map.

Click **MAP ▲** if the map is not displayed.




- 1 Zooms in and out on the map.
- 2 Displays latitude and longitude.
- 3 Refreshes the map.
- 4 Opens the map in a separate window.
- 5 Minimizes the map. **MAP ▲** Click to display the map.
- 6 Toggles route and icon displays on the map.
- 7 Shows the local area.
- 8 Displays the driving route in blue.
- 9 Displays vehicle position in the currently selected files.
- 10 The location where each file begins

Hovering the mouse cursor over an icon will show the initial image of that video file.
Clicking that image will begin playback of that file.

-
- If the SD card runs out of free space for video, files will be overwritten starting from the oldest file.
Deleted files will not be displayed on the map.
 - Vehicle position on the map uses the positioning satellite antenna installed inside the device.
Vehicle position may not display correctly or may deviate from the actual route when driving through locations with poor position satellite reception such as among buildings, inside tunnels, through underpasses, etc.
-

Exporting still images from videos

You can export still images of any section of the video being played.

1. Play the video.
2. Click the "" button at the desired location.
3. Choose the designated folder and add a file name.
4. Press the "Save" button.



- The current image displayed from the video being played will be saved as a still image.

Exporting route information

Exports a route information file (kml/kmz) that can be used with the OpenStreetMap map service.

1. Select "Export to kmz/kml (E)" from "File (F)".
2. Select the folder for the backup, select "KML/KMZ" as the file type, and attach a file name.
3. Press the "Save" button.



- See the OpenStreetMap map service help for how to use the file.

Backing up files

Save files on an SD card to the hard drive, etc. on your computer as needed.

1. Select "Backup (B)" from "File (F)".
2. Select the folder for the backup.
3. Select the files you want to save by adding a check mark.
4. Press the "Execute" button.

Using the Computer Viewer Program (Mac)

The KENWOOD Motorsports CAM Viewer is a computer program designed for viewing video recorded by the device. The program can be downloaded from our company website. Check the product page for details.

Installing the program

Double-click the software installer downloaded to your computer and follow the directions on your screen to install the program.

Playing files

1. Remove the SD card from the unit and use a card reader (a commercial product) to connect it to your computer.

2. Open the KENWOOD Motorsports CAM Viewer.
3. Select the SD card from the list of drives.



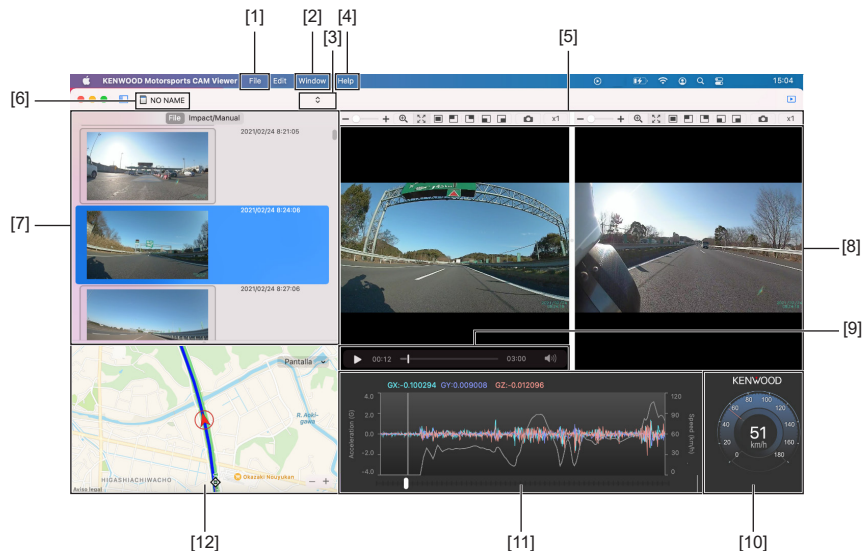
To play saved files on your computer, use "Select folder (S)" from "File (F)" and select the files.

4. Select the files you want to play from the "File" or "Event/Manual" tab and play them.

File	Displays all files.
Event/Manual	Displays recorded event and manual files.

5. Either click the "x" button or select "Close (X)" from "File (F)" when finished.

KENWOOD Motorsports CAM Viewer screen



[1] File operations

Perform file operations such as selecting, backing up, etc. files.

Select folder	Selects the SD card drive or backup folders on your computer.
Export to kmz/kml	Exports a route information file (kml/kmz) that can be used with the OpenStreet-Map map service.
Backup	Backs up files on the SD card to the hard drive on your computer, etc. as needed.
Close	Closes the computer viewer program.

[2] Window

Write the device settings onto the SD card. Use Window > Device Settings to specify the drive where the SD card is inserted.

- Recording time for each file
- Impact detection level
- Sound recording
- Rear camera
- Video quality
- Wireless LAN
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[3] Drive



Used when playing files saved on SD cards.




[4] Help

Displays the version of the computer viewer software.

[5] Recorded video playback screen selector

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	Displays the regular screen.
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 	Moves the video frame and also zooms in on the desired location up to a factor of 5. Pressing "Reset" will return the display to regular zoom (1).
	Takes a still shot of the video display at the time the button is pressed.

[6] File path of the video being played

[7] Displays a list of the files selected in the Select tab and their thumbnails.

[8] Video screen





Displays video from the selected file.

The screen is divided into two parts, the front and rear cameras.

Double clicking one of the videos will display just that video and clicking again will return to the split screen.

[9] Operation buttons

Operational buttons to play, stop, etc. videos. You can use the playback bar to move to any point in the video.

	Press during playback to pause the video.
	Press while paused to resume playback.
	Changes playback speed. (x1/2, x1, x2, x4, x8)
	Adjusts the volume. (0 to 100)

[10] Speedometer



- The device's speedometer may not match the vehicle's actual speed. Use it as a guide only.

[11] G sensor chart

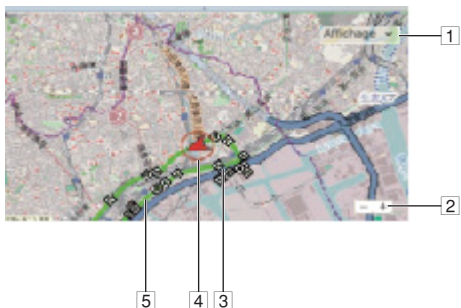
Displays the vehicle's longitudinal (GX), lateral (GY), and vertical (GZ) movement and speed as a waveform.



- It may differ from the actual speed depending on how the G sensor was installed.

[12] Map display

Clicking the file list will display the location information of the selected video files on a map.



- 1 Toggles route and icon displays on the map.
- 2 Zooms in and out on the map.
- 3 Displays the driving route in blue.
- 4 Displays vehicle position in the currently selected files.
- 5 The location where each file begins

Hovering the mouse cursor over an icon will show the initial image of that video file.

Clicking that image will begin playback of that file.




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You can export still images of any section of the video being played.

1. Play the video.
2. Click the "" button at the desired location.
3. Choose the designated folder and add a file name.
4. Press the "Save" button.



- The current image displayed from the video being played will be saved as a still image.

Exporting route information

Exports a route information file (kml/kmz) that can be used with the OpenStreetMap map service.

1. Select "Export as kmz/kml (E)" from "File (F)".
2. Select the folder for the backup, select "KML/KMZ" as the file type, and attach a file name.
3. Press the "Save" button.



- See the OpenStreetMap map service help for how to use the file.

Backing up files

Stores files on the SD card to the hard drive, etc. on your computer as needed.

1. Select "Backup (B)" from "File (F)".
2. Select the folder for the backup.
3. Add check marks to choose the files you want to save.
4. Press the "Execute" button.

Important Software Notifications

The software license for this product

The software included in this product consists of multiple software components, each of which is copyrighted by JVCKENWOOD or a third party. This product uses software components (hereafter, "Licensed Software") based on software license agreements specified by JVCKENWOOD and third parties.

Some of the Licensed Software is free software and is used under a GNU General Public License or Lesser General Public License (hereafter "GPL/LGPL"). As a result, the source code of those software components must be made available when distributing them in an executable format. Please visit the following website for information on distributing this source code.

Website

<https://www.kenwood.com/gpl/>

Please be aware that we cannot answer questions regarding the source code.

Please be aware that source code will not be provided for Licensed Software not covered by GPL/LGPL.

Software components distributed under GPL/LGPL are licensed to customers free of charge and such software components are provided with no warranty, express or implied, within the scope of applicable laws.

Except for as determined by applicable laws or provided via written agreement, the copyright holder and any person who changes or redistributes the software components are in no way liable for any damage caused through use or not being able to use said software components.

See each GPL/LGPL for details on terms of use and matters that must be observed for the software component.

Read the applicable licenses for software components covered by GPL/LGPL included in this equipment carefully when using the unit.

Each license is regulated by a third party other than JVCKENWOOD, and the original text (English) can be viewed using the cell phone app for this product.

KENWOOD Motorsports CAM Viewer licensee information

1. Open KENWOOD Motorsports CAM Viewer
2. Press the "HELP" button on the menu bar
3. Select "Version"