

70MAI DashCam Viewer

User Guide

Current version with Danish/English language selection, route overview, export, save folder and move-all workflow.

The screenshot displays the 70MAI DashCam Viewer application interface. At the top, the title "70MAI DashCam Viewer" is shown with a file path "/Volumes/ExternSSD/70MAI". Navigation buttons for "Routes...", "Settings...", and "Choose SD Card..." are visible. The main area is split into two video feeds: "Front" (left) and "Back" (right). The "Front" view shows a road with a fence on the left and buildings on the right. The "Back" view shows a street with buildings and a construction site. Below the videos, a "Route / map" section displays a map with a selected route from "Hvedevænget 93, Næstved" to "Sleipnersvej 17, Ringsted". A scale bar indicates 0, 10, and 20 km. Playback controls at the bottom include "Video" (with ID NO20260504-095335-000003), "Previous", "Next", "Start", "Play", "Stop", "Save cur...", "Move all to...", and an "Audio" toggle.

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1. What the app does

70MAI DashCam Viewer is built for reviewing recordings from a 70MAI dashcam with Front and Back cameras. It pairs the two videos by filename and plays them simultaneously, so you can view the front and rear camera footage together.

The app can also read GPSTData000001.txt, show routes on a map, filter videos by route, save incident clips and move the entire SD card content to a selected export folder.

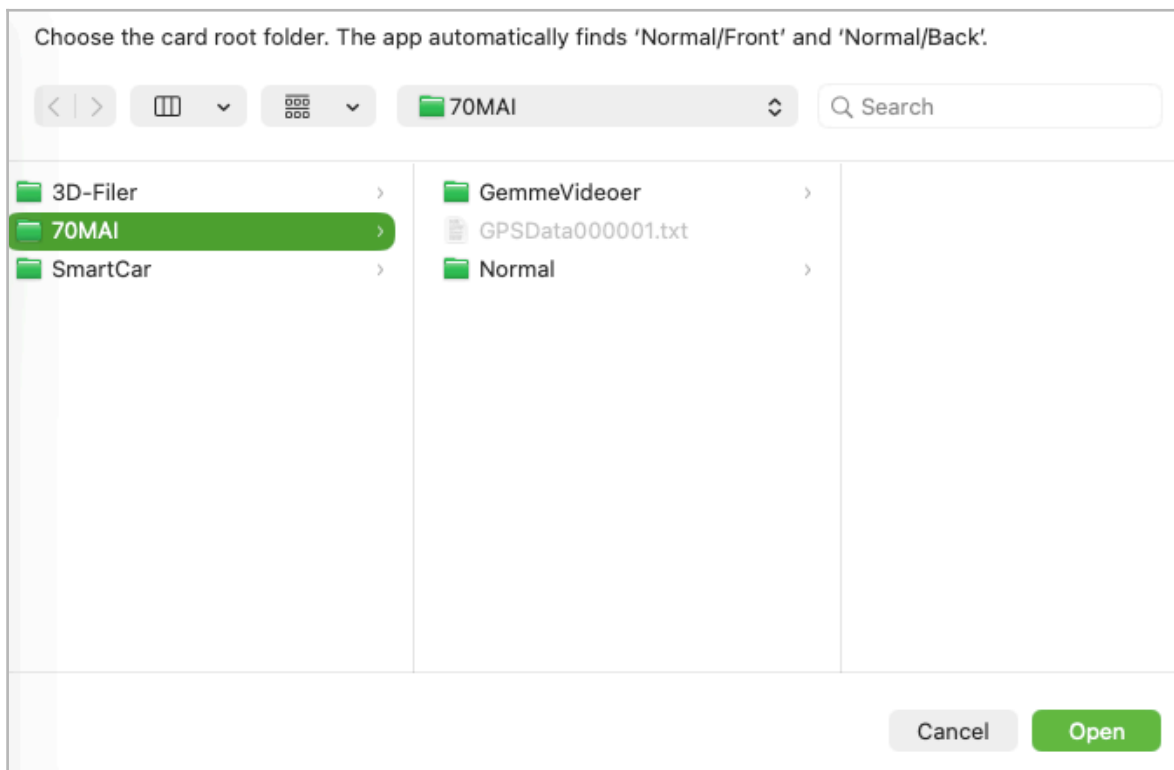
Feature	Description
Dual video	Front video is shown large; Back video is shown in the upper-right pane.
Map	Route and current video position are shown on the map.
Route overview	All routes can be viewed, inspected and deleted.
Save incident	Saves the current video pair plus up to two following pairs.
Move all	Moves all SD card GPS data and videos to an export folder.
Language	Switch the app between Danish and English.

2. First launch and selecting an SD card

Insert the SD card from the camera into your Mac. Click Select SD card... and select the root of the card. The app expects a Normal folder containing Front and Back subfolders.

Expected location	Content
Normal/Front	Front MP4 videos
Normal/Back	Back MP4 videos
GPSPData000001.txt	GPS routes and points

Tip: If you select a folder that directly contains Front and Back, the app can still open it. This is useful for saved incidents or copied archives on SSD.

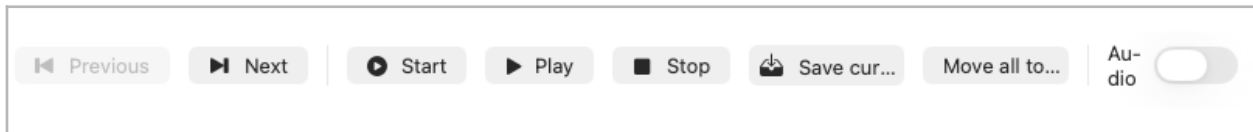


3. Playing Front and Back videos

After selecting the SD card, the app scans the videos and finds matching Front/Back pairs. A pair is matched by filename, where F and B identify Front and Back.

Use the video dropdown to choose a recording. Click Start to prepare and start both videos at the same time. When a video pair ends, the app automatically continues with the next pair in the current list.

Button	Function
Previous	Go to the previous video pair
Next	Go to the next video pair
Start	Prepare/restart the selected pair and play
Play/Pause	Play or pause without reselecting
Stop	Stop playback
Audio	Turn audio on or off

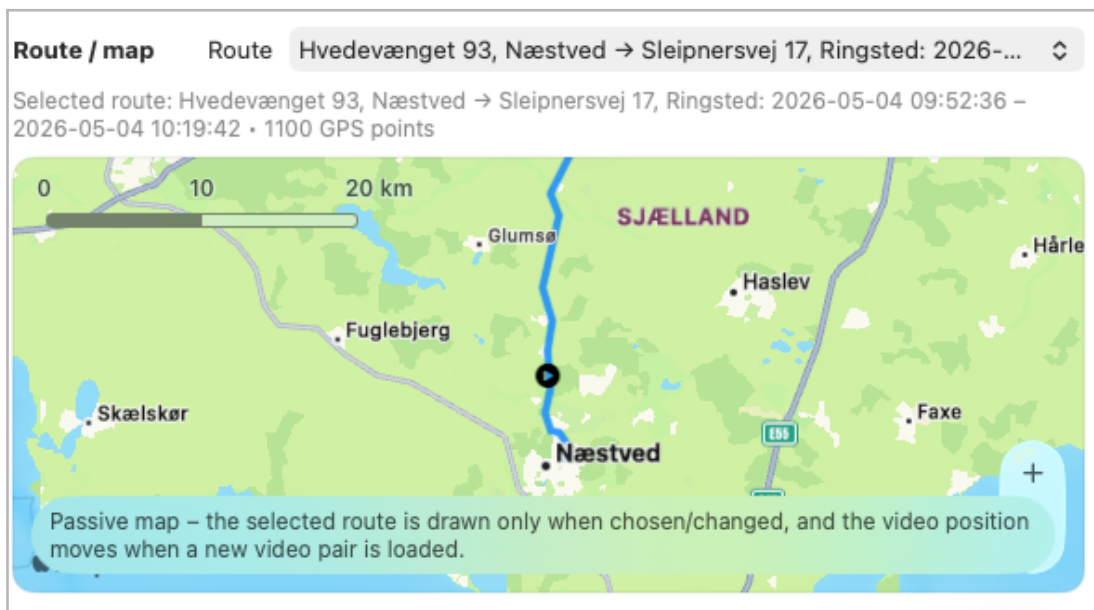


4. GPS routes, map and route selector

When GPSTextData000001.txt is found, the app splits it into routes. Each route starts with \$V02. The route selector shows start and end locations if macOS can resolve addresses using reverse geocoding.

When you select a route, the video list is filtered to show only video pairs whose start time is within the route time span. The map draws the route, and a small video marker is placed on the GPS point closest in time to the selected video start.

Note: The GPS position is an approximate time-based match. It is intended to show roughly where on the route the video was recorded.



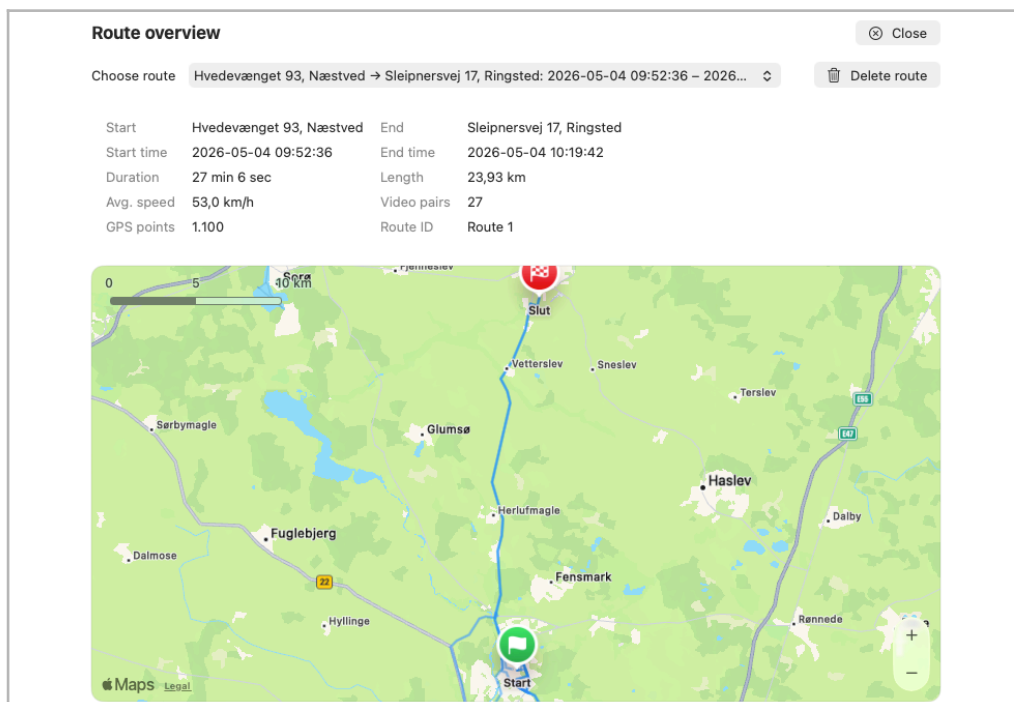
5. Route overview and cleanup

The Routes... button opens a separate window showing all routes for the selected folder. Choose a route from the dropdown to see start address, end address, duration, calculated distance, average speed, number of GPS points and number of related video pairs.

The route overview is useful for finding and deleting GPS-noise routes that the camera may create while the car is parked.

Field	Explanation
Start / End	Address or place name for the first and last valid GPS point
Distance	Calculated from the distance between GPS points
Average speed	Route distance divided by route duration
Video pairs	Number of Front/Back pairs whose start time falls within the route

Deletion: When you delete a route, the app asks “Are you sure?”. The route is removed from GPSPData000001.txt and related videos are deleted from Front and Back. This cannot be undone.



6. Settings

Open Settings using the Settings... button. Here you can change GPS time interpretation, language and the folders used for saved incidents and full export.

Setting	Used for
Timestamp offset	Corrects the camera epoch time. Default is 8 hours.
Time zone	Controls how times are displayed. Default is Europe/Copenhagen.
Language	Switch between Danish and English UI text.
Save folder	Used by Save current + next 2.
Export folder	Used by Move all to export folder.
Recalculate	Reload GPS routes using the selected time settings.

Settings

Use these settings if the camera firmware changes timestamp format, or if routes should be shown in another time zone.

Language English

Timestamp offset hours

Time zone Europe/Copenhagen Use Mac time z...

Custom time zone Valid

Save folder Choose folder...

The save folder is used for 'Save current + 2 next' / incident videos.

Export folder Choose folder...

The export folder is used for 'Move all to export folder' when the SD card should be emptied to SSD/archive.

Current interpretation: file epoch + 8 hours, shown in Europe/Copenhagen.

Tip: Use IANA names like Europe/Copenhagen, UTC or Europe/London.

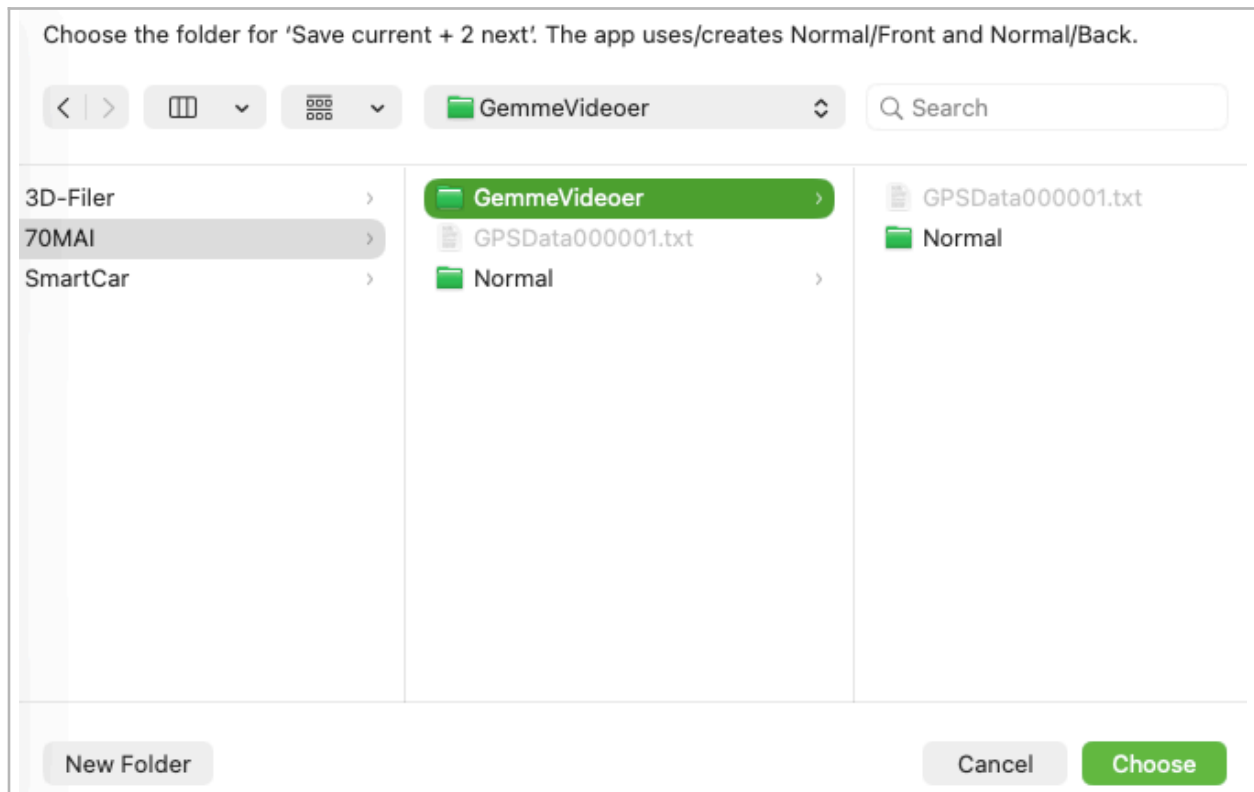
Default DK Cancel Recalculate

7. Saving incidents

Select a Save folder in Settings. When you click Save current + next 2, the app copies the current video pair plus up to two following video pairs into the save folder. It also writes a GPS snippet to GPSData000001.txt in the save folder.

This is useful for keeping individual incidents without archiving the entire SD card.

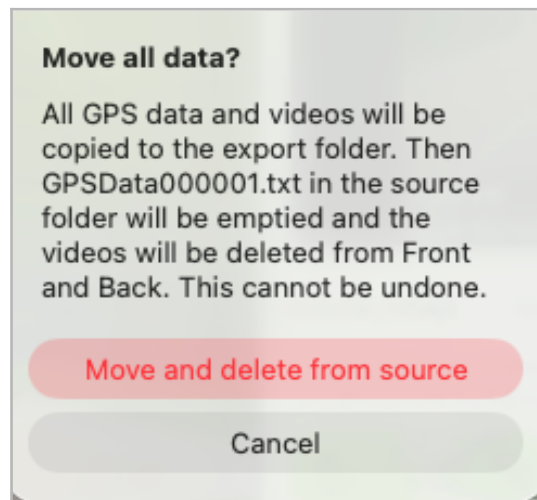
Destination	Content
Save folder/Normal/Front	Copied Front videos
Save folder/Normal/Back	Copied Back videos
Save folder/GPSData000001.txt	GPS points for the saved minutes, split by \$V02



8. Moving all data to SSD/archive

Select an Export folder in Settings. The Move all to export folder button copies all video pairs and GPS data from the selected source folder/SD card to the export folder. After that, GPSTData000001.txt on the source is emptied and the moved videos are deleted from the source Front and Back folders.

Safety: The app asks for confirmation before removing data from the source. Use this workflow when you want to empty the SD card without formatting it.



9. Folder structure

Both the Save folder and Export folder use the same structure, so you can open them later as regular folders in the app.

Path	Description
Normal/Front	Front videos
Normal/Back	Back videos
GPSPData000001.txt	GPS routes. Each route starts with \$V02.

10. Troubleshooting and tips

Problem	Possible solution
No video pairs found	Check that Front and Back are under Normal and that filenames match.
No routes found	Check that GPSPData000001.txt is in the root of the SD card or selected folder.
Times do not match	Open Settings, adjust timestamp offset/time zone and click Recalculate.
Cannot save/move	Choose the save/export folder again in Settings so macOS grants access.
Map shows coordinates only	Reverse geocoding requires Apple location/map services and can take a moment.