SD VIEWER SOFTWARE USER GUIDE

A Walkthrough

Last Updated: 3/23/2022

Table of Contents

Introduction

This guide aims to introduce and help our users understand the proper uses of SmartWitness' SD Viewer Software.

Use SmartWitness' SD Viewer Software to review your camera's video files, edit video playback, display saved telematics data and export your altered video files to your PC.

If you have any trouble navigating the content of this manual or have some follow-up questions regarding the software, see the **Finishing Up** section of this document for technical support details.

We hope that this comprehensive guide provides ample details regarding the commonly used functions of our SD Viewer Software.

PC Requirements for Viewer Software

To use our SD Viewer Software, here are a few specifications we recommend for the **best possible** compatibility:

|	
OS	Windows 7/8/8.1/10 or Higher
CPU	Core 2 Duo 2.5GHz or Higher
RAM	2GB or Higher
Interface	SD Memory Card Reader
HDD Free space	Install: 55MB or Higher Backup: 4GB or Higher
Display	1024 x 768 pixel/True Color or Higher

Caution: If your computer doesn't meet these requirements, the PC Viewer Software may not work properly.
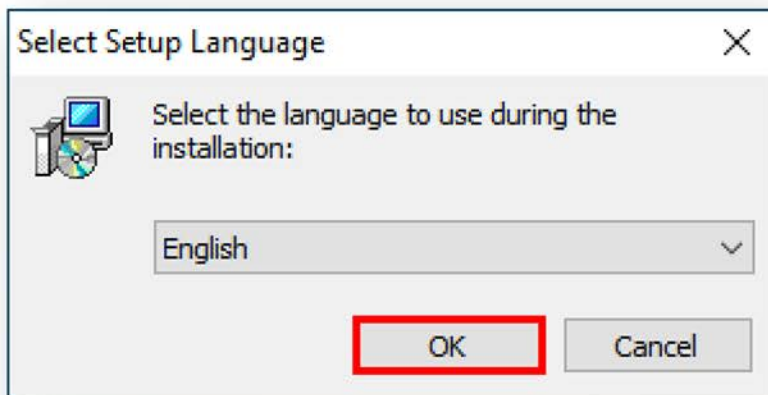
Install SD Viewer Software

You can find our SD Viewer Software on the SmartWitness **Knowledge Base.** You may also click **here**, and the link will take you to our website's SD Viewer update page. You can find the most recent version here if SmartWitness implements any updates in the future.

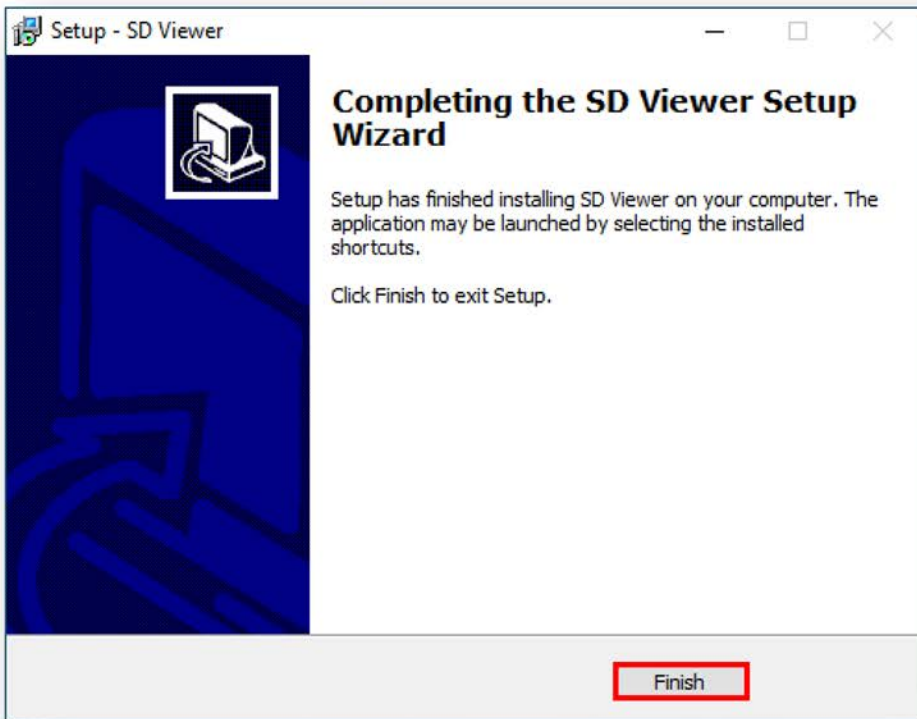**Extract** and **open** the setup file from the downloaded .zip folder.
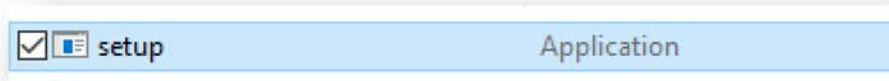
Select your **preferred language**. Then click **Ok** to continue.

Install SD Viewer Software

Follow the Wizard's prompts, then click **Finish.**

To confirm you've set up SD Viewer, look for the icon on your desktop.

Note: To un-install SD Viewer Software, exit the program. Open the **Control Panel** and select **Remove Program.**

Getting Acquainted

To better navigate SD Viewer software, follow the sections below.

Change Viewing Settings

To personalize your Viewing Settings, click ⚙.

1. Click **Set Password**. Enter any number between 1000-9999.

   Your PC sets Speed and Date formats automatically. However, you may change it here.
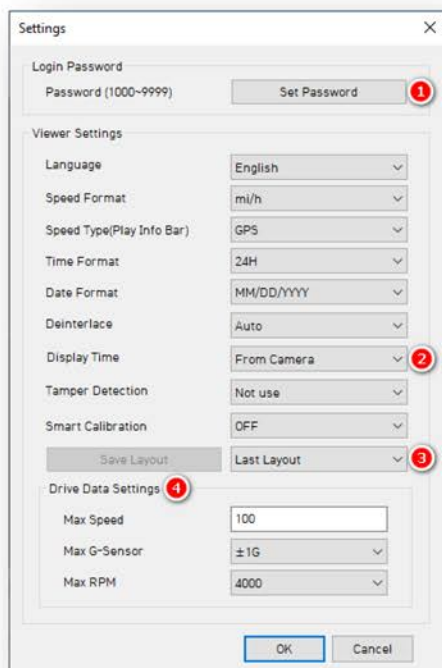
2. Choose your **Display Time.**
   - Use video time settings from your camera (determined during device configuration) or your computer's default time.
3. Select your SD Viewer Software layout.
   - The program launches with the **Last Layout** opened.
   - The program launches with the **Default Layout**.
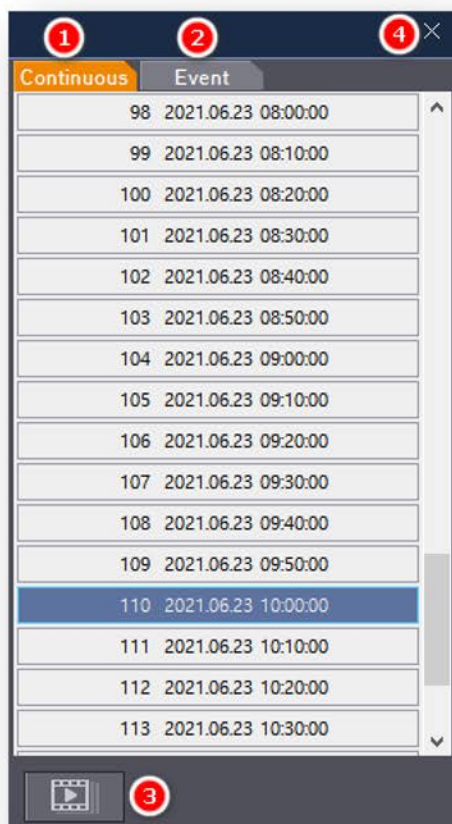4. Set graph scales for the Drive Data Window with **Drive Data Settings.**

Format Your SD Card

To open your SD Card in the Viewer Software, select [icon].

Next, choose your SD card drive, then click **Ok.**

Click **Open SD Card.**

1. Your **Continuous** recording files.
2. Your **Event** recording files.
3. Activates the continuous play function.
4. Hide the playback list by closing the window.

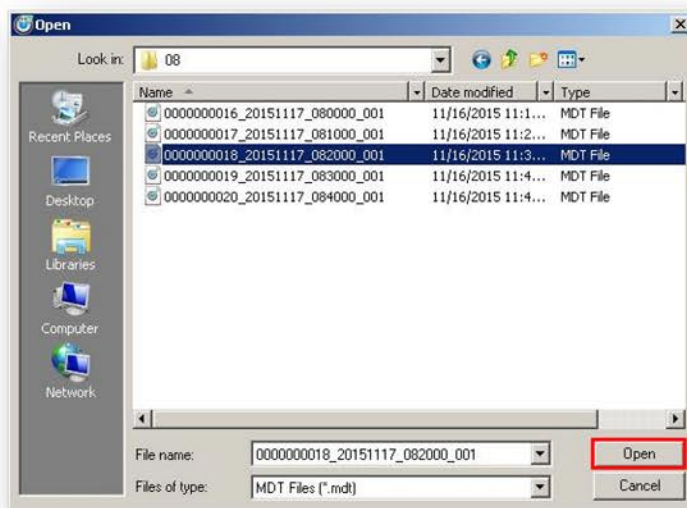Display the playback list by clicking [icon]. End video playback by selecting [icon].

Open Files

Play specific files backed up on your PC or SD by clicking [folder icon].

Select an MDT file and click **Open.**

The file's image will display, then click **Play** to run the file.

When finished with SD Viewer, click [icon] and remove your SD card. You may use the **Safely Remove Hardware and Eject Media** option on your PC to eject your SD safely.

Know Your Playback Dashboard

The main features of the SD Viewer's playback dashboard:

1. **Camera Title –** The name of the camera from the configuration process (includes image resolution).
2. **Record Mode –** Your preferred recording method.
3. **G-Sensor –** Displays real-time G-Sensor values.
4. **Time –** Shows date and time.
5. **Vehicle Number & Driver ID –** Unique identification for each driver/vehicle.
6. **GPS Speed –** Your speed reading.
7. **Display Frame/ Total Frames –** The current frame and the number of frames captured on your device.

Playback Controls

To better understand how you can control your SD Viewer Software, we outlined the playback controls below:

Pause

**Reverse**

Previous Image

Capture Screen

Next Image

Play

Record Desktop Capture

Start and stop a video recording during playback. Capture all available camera channel video and save it to a single MP4 file on your PC.

Volume

Playback Speed Control
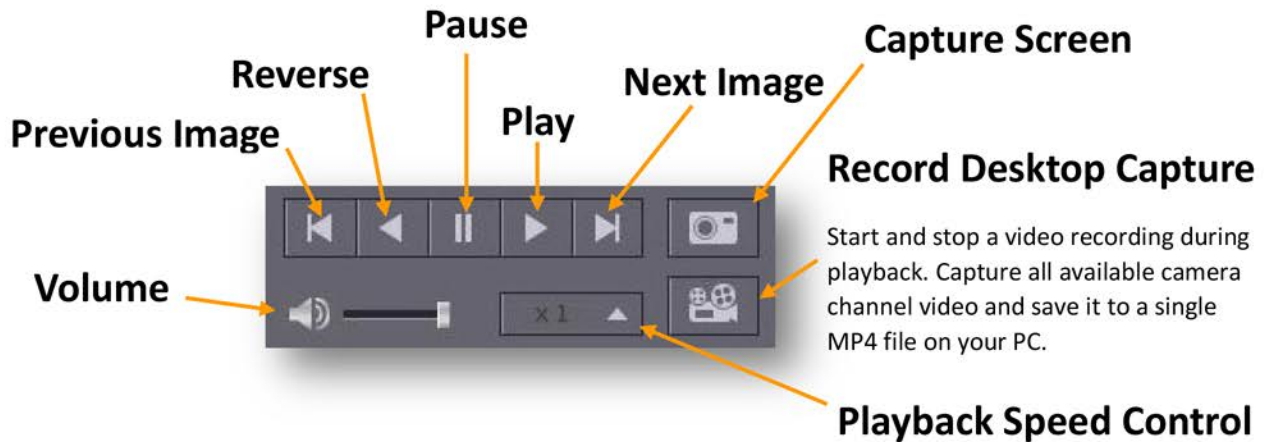
Alarm Indicator

Your playback **Alarm Indicator** shows triggered alarms, if any, during an event or regular driving activities. Set alarms for different purposes, like Overspeed events, during your camera's configuration process.

ALARM1   ALARM2   ALARM3
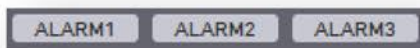
Playback Control Bar

With the **Playback Control Bar**, fast forward, rewind and locate specific moments in your device's recorded video footage.

19:30:00 (00:00)   19:31:14 (01:14)   19:39:59 (09:59)
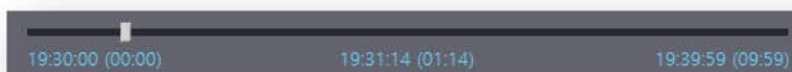
Visually Adjust Your Images

Right click on playback images in the SD Viewer Software to adjust and visually enhance your files.

1. Change your playback image **Display Ratio.**
2. You can **Zoom** in up 8x on images.
3. Alter your image's visual orientation by clicking **Mirror Mode** and **Flip Mode.**
4. To add mosaics or visually distort sensitive aspects of an image, click **Privacy Masking.** Click **here** to learn more about Privacy Masking functions.
5. Adjust a playback image's **Brightness** and **Contrast.**
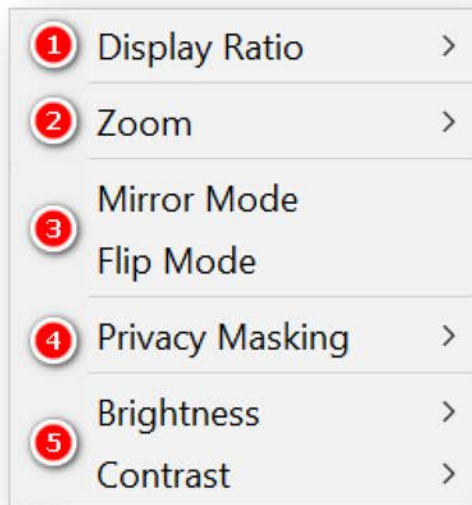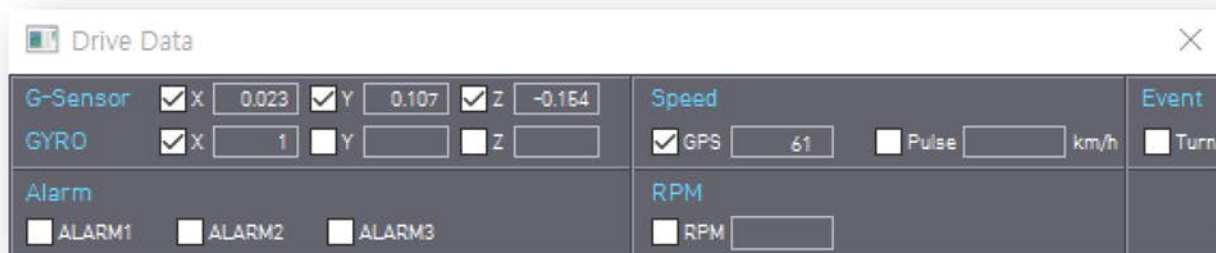
Tracking Driving Behaviors

Fleet Managers and Drivers alike need to understand the patterns of driving behavior. SD Viewer helps to know various measurements surrounding alarm-triggered events.

Measuring Drive Data

To access driver data, click .

The SD Viewer's default setting displays G-Sensor graphs. Add other information by checking any of the following data points.

Your device's sensor data is on the graph below. However, the graph doesn't represent every data point you can enable in your settings.

Your G-Sensor is calibrated and zeroed out in the setup process, so positive shocks are (+) and negative shocks are (-).
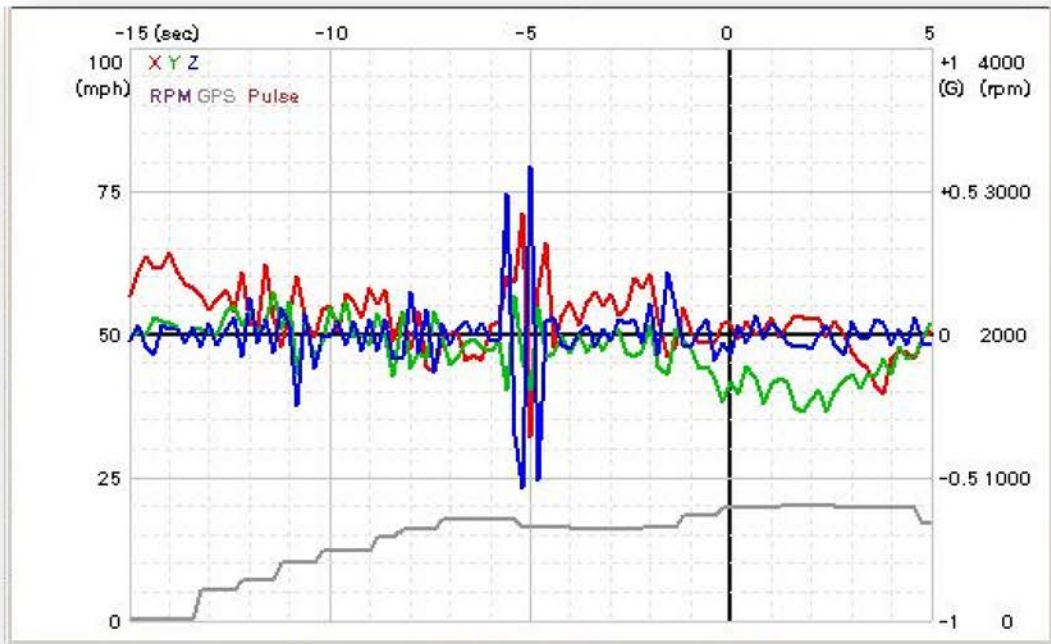
G-Sensor:

- X value: Forward & Backward (Quick brake or Quick Start).
- Y value: Left & Right (Quick Turn).
- Z value: Up & Down (Prominence and Depression).

GYRO - Displays the vehicle's gyro values.

Speed - GPS measured speed is in grey.

RPM - The RPM displays in purple.

ALARM - The alarms will display on the bottom of the screen. The grey bar means the trigger is activated.

Track Your Vehicle

To know where you are in your route, click ![pin icon]. Your route displays on Google Maps, as seen below.

To see this data, your GPS should record with video.

To see the map, your Viewer Software needs an internet connection.
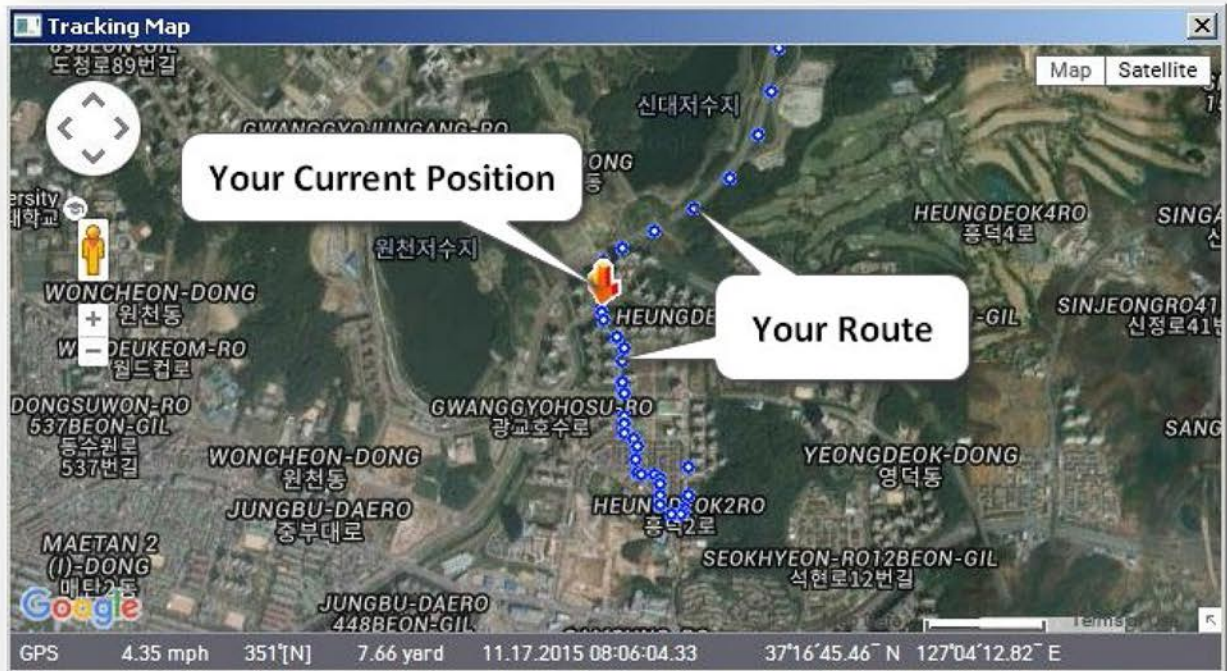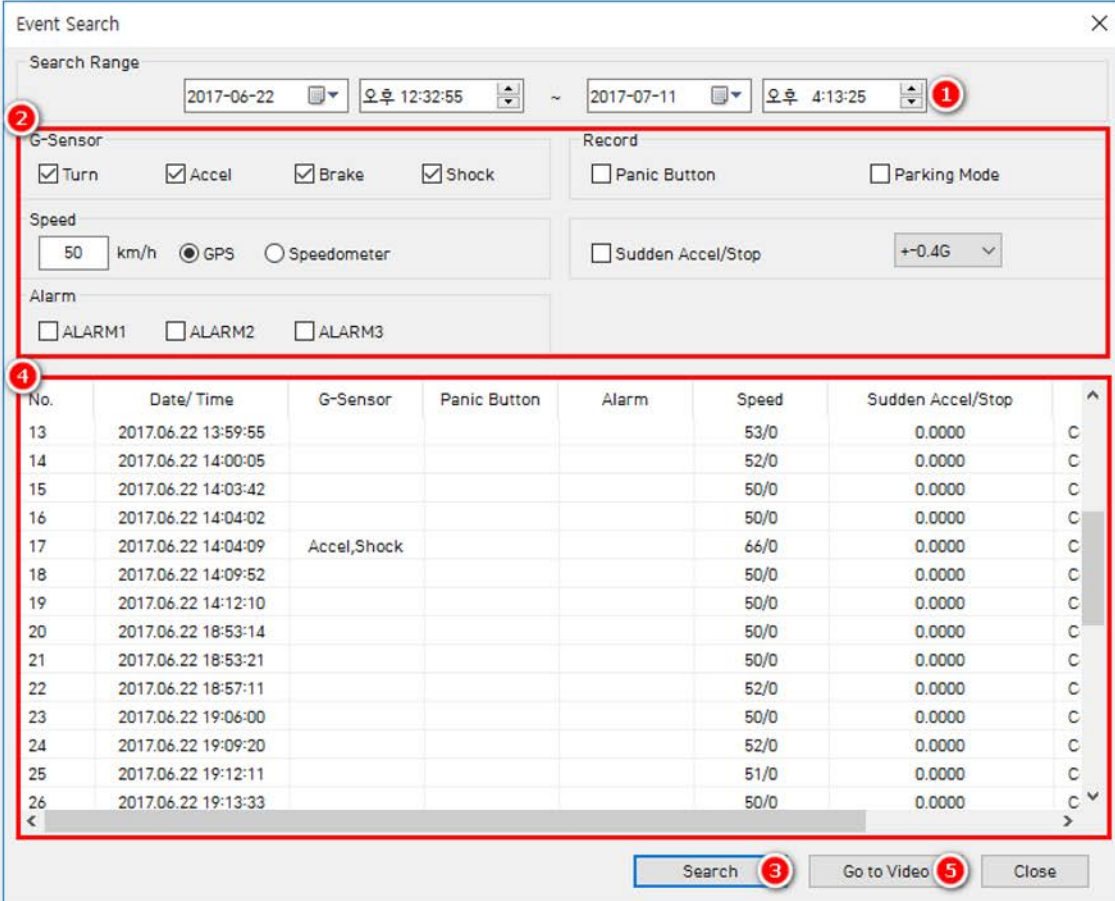
Your Event Log

To search your event history, click .

Event Search helps you find specific event data quickly.

1. Choose the time frame of the event you are looking for by selecting a **Search Range.**
2. Set the conditions of the event.
3. Click **Search.**
4. Select an event from the search results.
5. To see the video feed, click **Go to Video.**

File Management

In this section, learn more about editing, taking still images of saved footage and handling your video playback files.
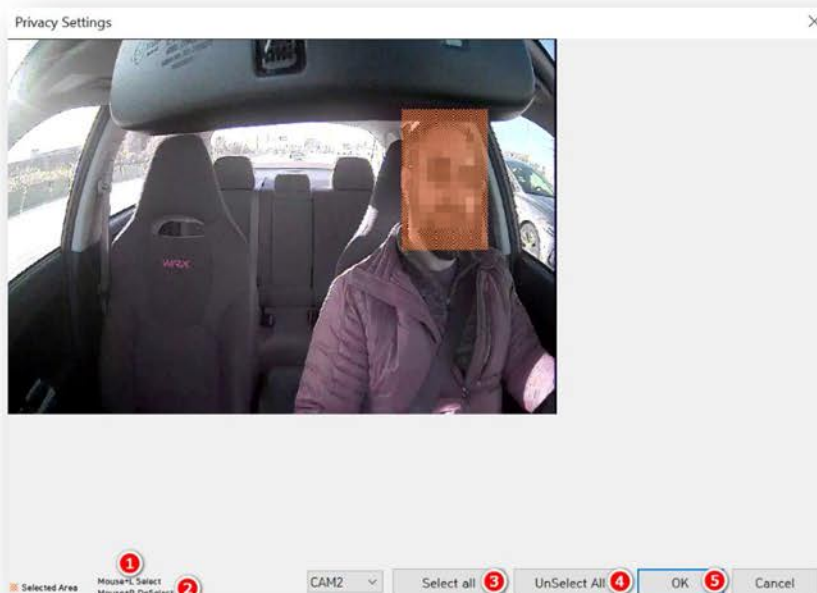
Privacy Settings & Masking

To access privacy settings and privacy masking mode, click [image].

Ensure your video is paused and backed up on your PC before adding privacy masks.

Set mosaic areas on your video to blur sensitive information, such as a license plate #. Video playback files must be JPG or AVI.

1. Blur areas by left clicking on different sections. You can select multiple zones.
2. Unselect mosaics by right clicking blurred areas.
3. To select all mosaics in a frame, click **Select All.**
4. To unselect all areas, click **UnSelect All.**
5. If you are satisfied with your settings, click **Ok** to close the window.

After adding a privacy mask, your edited video will look like the screen capture below.

Save Your Files

To save a JPEG image of the SD Viewer playback, click 🖼️ .

1. To save images from specific camera channels, select **CAM1, CAM2, CAM3** or **CAM4.**
2. Select which information to superimpose on the image file.
3. Choose your image save location.
4. Name your image file.
5. Click **Start** to save.

File Management > Save Your Files
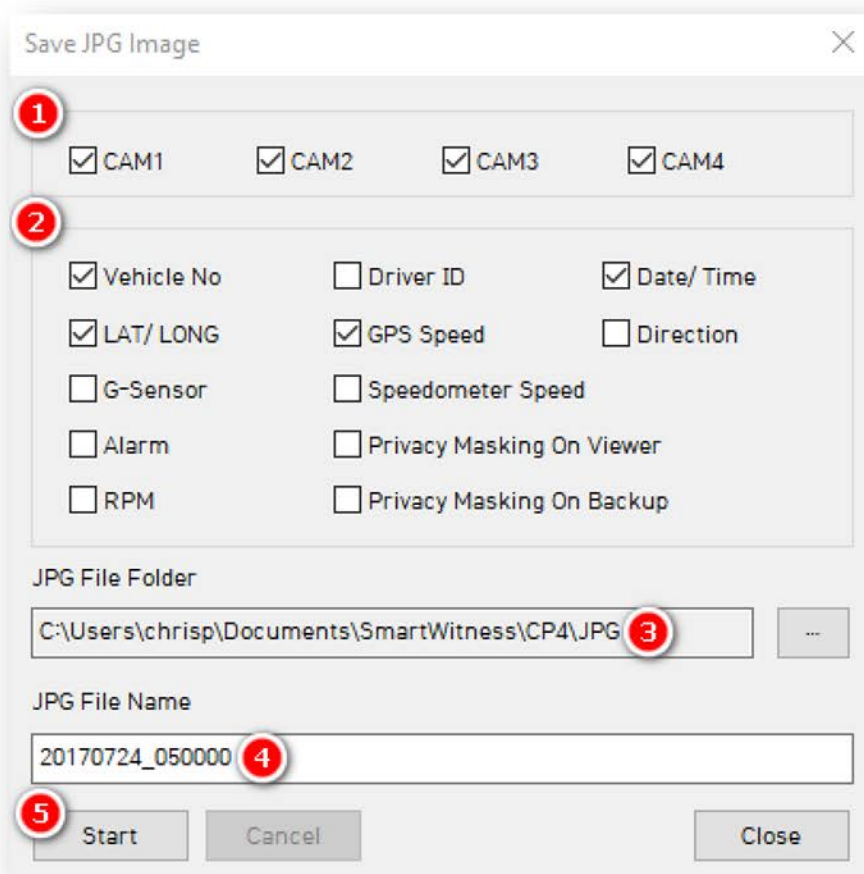
To save an MP4 video of the SD Viewer playback, click ![icon].

1. To save video and audio from specific channels, select **CAM1, CAM2, CAM3, CAM4** or **Audio.**
2. Select the time frame of your saved video recording and its duration.
3. Choose what information to superimpose on the video footage.
4. Choose your video's saved location.
5. Name your video file.
6. Click **Start** to save.
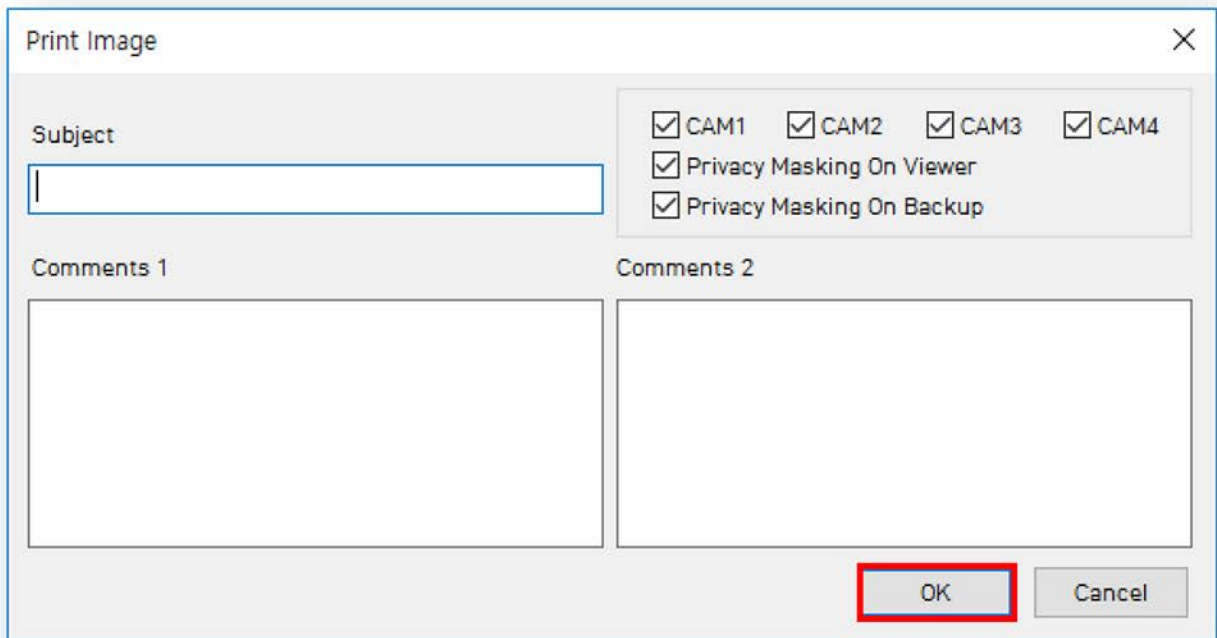
Print Images

To print an image, pause your SD Viewer playback .

Add context to your printed pictures, choose your capture settings and enter relevant additional info.
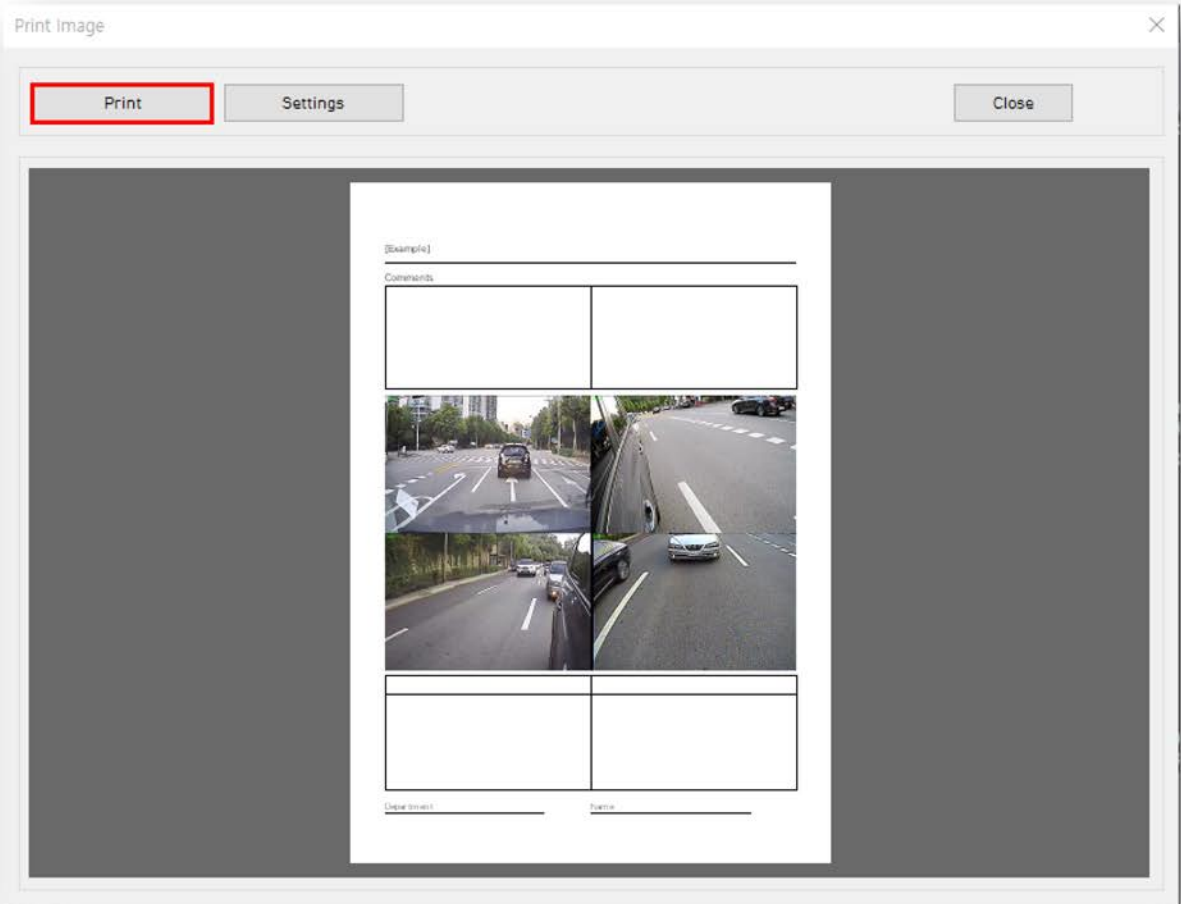
Finalize print preferences by clicking **Ok.**

File Management > Print Images

See your print preview below. If satisfied, continue to **Print.**

Backup Your Files

To back up recorded data on your PC, click .

1. Choose which camera feeds to back up.
2. Your start time begins when the video pauses. This cannot change once you begin. Set the runtime.
3. Set the amount of time to back up
4. Input a **Title** and **Memo**
5. For easy management, store your data by type. Select your preferred **Type** and click **Start.**

The max amount of time you can back up is one hour of data.

Exporting Your Files

To use the data backup list to play backed up data files, click 🔵.

1. Choose the folder where the backup files are at the bottom of the screen (It will automatically show the last folder accessed).
2. Then, select the **Type** by scrolling down the options.
3. The files are listed showing "Date/Time, Vehicle No., Driver ID, Memo Title."
4. Check the box next to the file you wish to back up and click **Ok.**
5. To export a specific file, check that file and click **Export.**
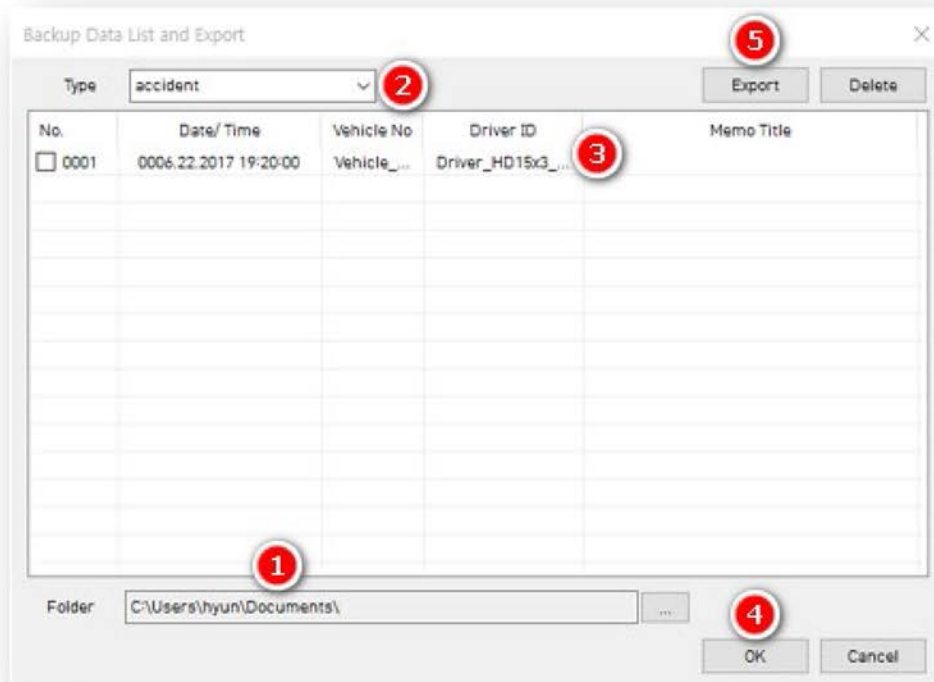
Finishing Up

Congrats! You have acquired the skills and means to operate SmartWitness' SD Viewer Software.

If you need technical support, have feedback on the software or want to offer suggestions on how this guide could better serve our customers, please contact our support teams.

North America, South America, APAC

- +1 (312) 981 8774

EMEA

- +44 (0) 1483 397005

You can **register** and submit a ticket, or if you prefer email, you can reach us at support@smartwitness.com.