



DeepSight Toolkit:
Try the main
features in
3 minutes



Introduction

In these test instructions, we highlight two features that our customers use to get the most out of their data.

The features:

- Region of Interest (ROI) - under *Input tab*
- Aggregated data - under *Output tab*



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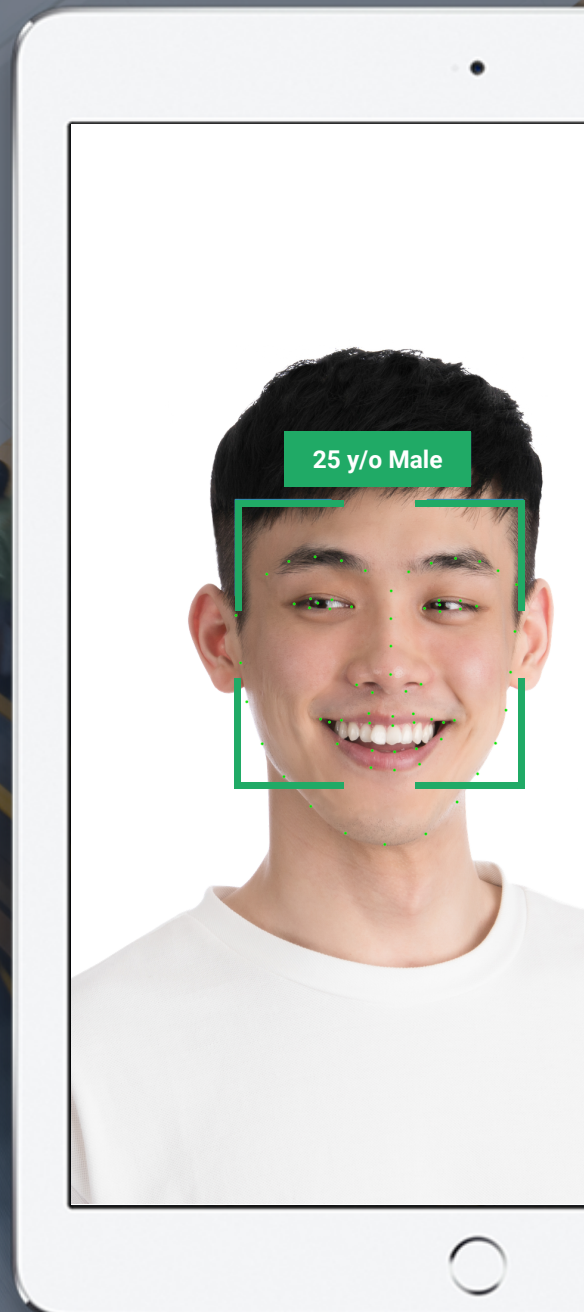
Let's start: General instructions

Step 1: Download and save the sample video file from the DeepSight Toolkit Suite

Step 2: Open the Toolkit and go to the *Input tab*

Step 3: Select “Video File” as the source by clicking “Browse”

Step 4: Press play  to see the Toolkit running on the correct Video File.



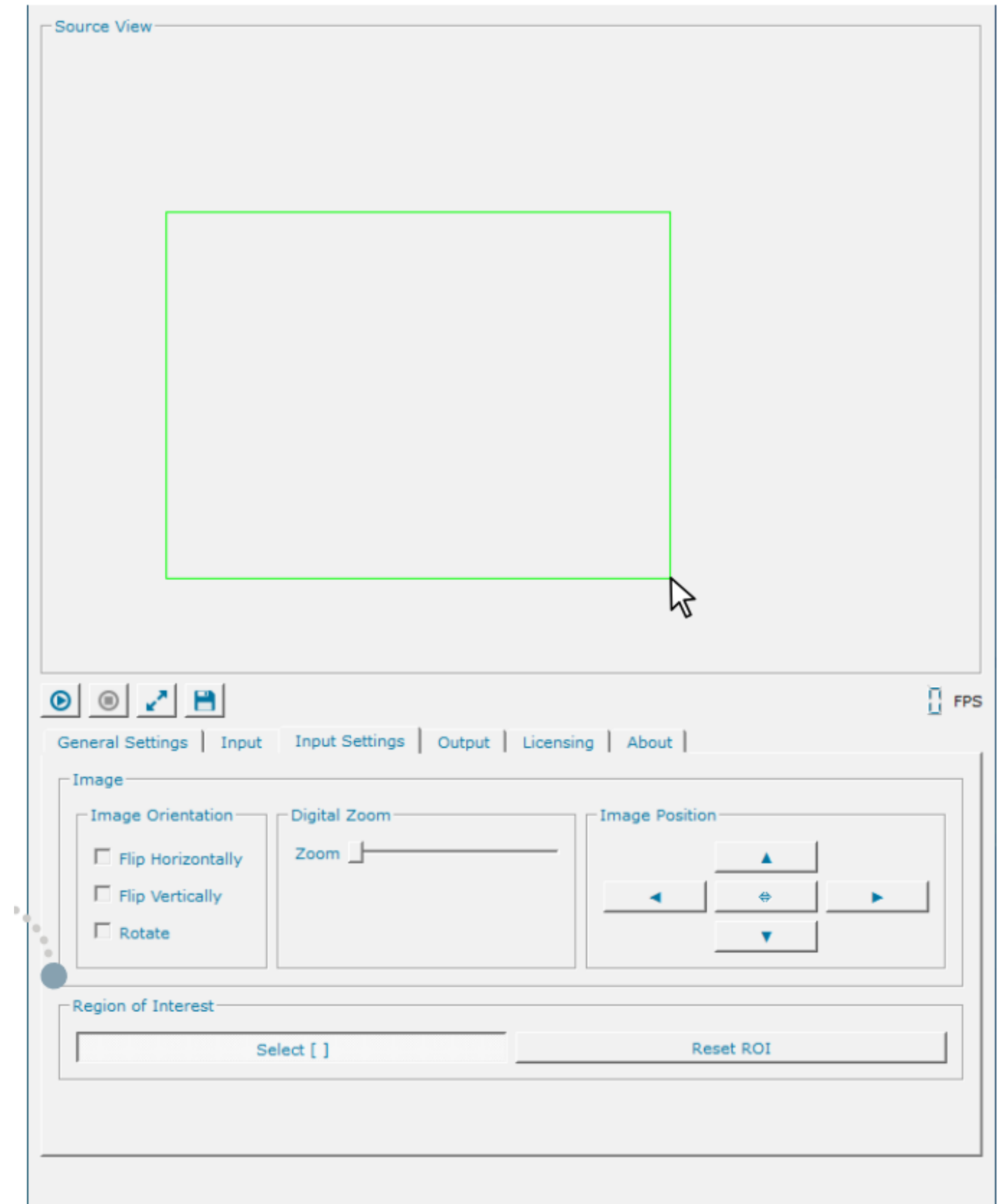
Region of Interest

The **Input tab** allows you to control the source of the video that you want to analyze.

Here you can also select a Region of Interest or “ROI”;
ROI enables you to instruct the software to only analyze a selected part of the Source View.

This is a great feature because it:

- helps with counting only people inside a specific area of interest.
- saves CPU resources because the software analyzes a smaller area of each frame.
- allows you to draw a selected Region of Interest on the entrance or exit of the store, giving you very precise information about your store visitors as they enter or leave the store.



Now try it yourself in 5 easy steps

Step 1: Navigate to the “Input Settings” tab

Step 2: Press the “Select []” button



Step 3: Draw a region of interest with your mouse within the "source view". E.g. select the entire right half of the source view as your region of interest.

Step 4: Press play and watch how faces outside the ROI remain undetected while faces inside the ROI are.

Step 5: Reset ROI by right clicking your mouse or use the “Reset ROI” button and repeat Steps 3 and 4.



Aggregated data output



The Aggregated data is a ready-to-use and easy to understand condensed output format that shows the all audience data per detected ID. It features the important metrics for each unique ID in the video.

With the upcoming instructions you are going to generate the CSV output in **Raw** and **Aggregated** form, so you can have a look at the differences and decide which format matches your requirements best.

Example of aggregated data:

id	timestamp	age	gender	impressions	views	attention_sessions	average_attention_time	attention_time	dwell_time	total_detection_time	smile_viewing	smile_maximum
1	2020/2/25 11:08:27	41	m	1	1	1	682	682	45.870	45.870	7	56
2	2020/2/25 11:08:27	30	f	1	1	12	728	8.743	42.669	42.669	98	100

Now try it yourself!

Step 1: Open the DeepSight Toolkit and go to the **Output tab**.

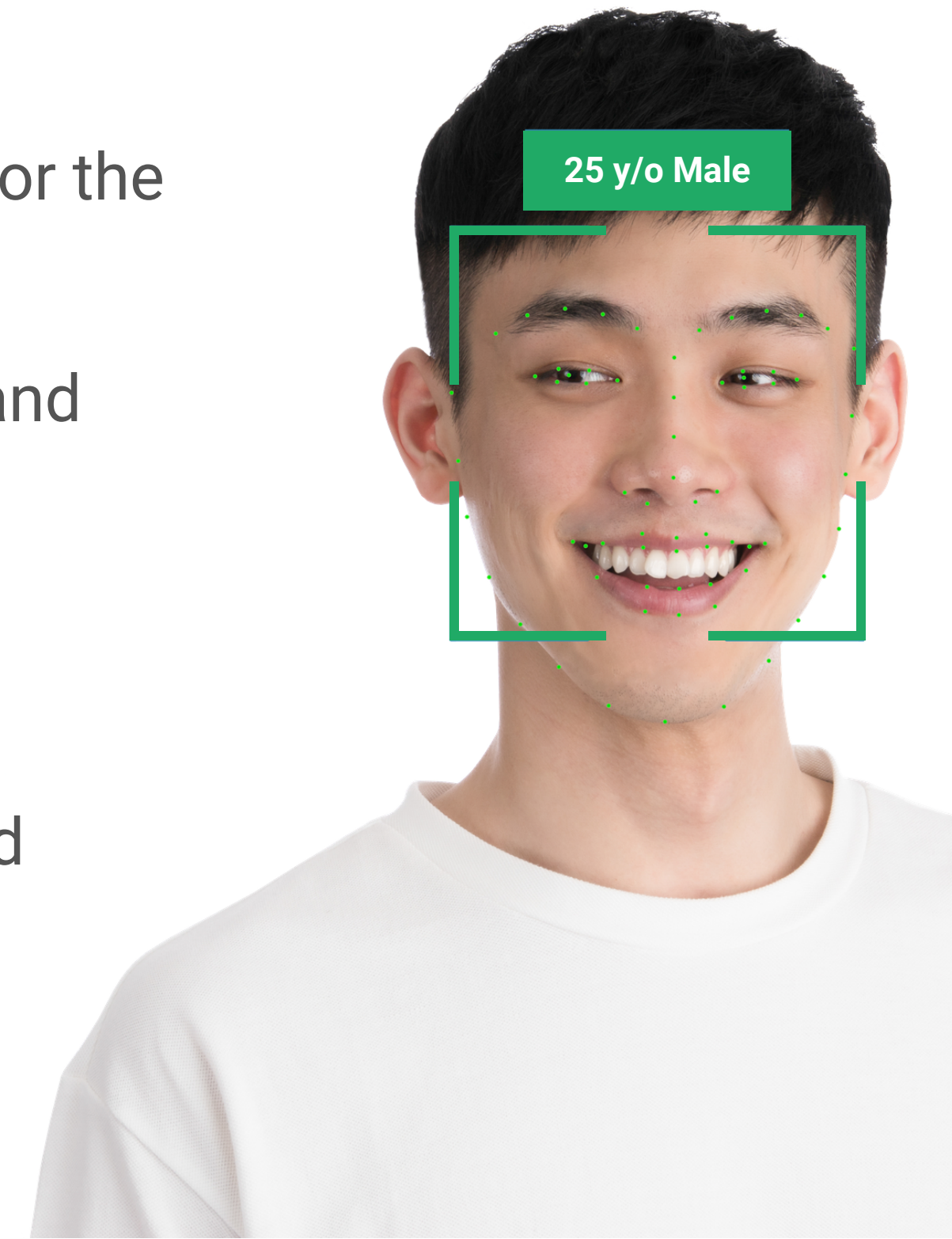
Step 2: Under "**Aggregated data**" select "**Save to CSV**" and choose a folder for the data to be generated and stored.

Step 4: Under "**Raw data**" Repeat step 3 and assign a different folder for the Raw data to be generated.

Step 5: Save the setting by pressing the "Floppy Icon" button > close and reopen the Toolkit.

Step 6: Press play and check if two files have been generated in the designated folders.

Step 7: Now open both files to see the difference between the raw and aggregated output formats.



Great job!



Want to know more about Toolkit features?

[Click here for Deepsight Toolkit Full User Manual](#)

Contact us for any questions

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