



## How to record a video SWISSTRAFFIC.ai SCOUT?

A few tips and tricks to make our AI happy ... so that it can give you the best results and make you happy as well.

To put it in a nutshell, **the better the input, the better the results!** If you have a clear and stable footage where you are happy to tell a bus from a van, then you probably need not to read any further and just **upload your footage to SWISSTRAFFIC.ai SCOUT**. Do you want to know a bit more? We have a few recommendations for you to enjoy the best possible results from your setup.

The SWISSTRAFFIC.ai SCOUT engine can process data from any video input such as static/handheld consumer camera or footage from an existing CCTV infrastructure. For the best traffic analysis results we recommend the following **input video parameters**:

- resolution: 1280×720 or more
- bitrate: 5 Mb/s or more
- framerate: 25 fps or more
- min. traffic object size: 32px in one dimension
- continuous video without cuts
- no camera movement

We also recommend minimizing occlusions in the scene. It is useful for the input video to be **as stable as possible**. Try to avoid vibrations, re-composition or generally any movement of the camera during the whole video acquisition. If not a permanent installation, we recommend using a tripod or magic arm to provide a solid support to your camera. It is much more convenient for you as well.

**Example of the configuration** best suitable for SWISSTRAFFIC.ai SCOUT analysis:

- elevation of the camera: 10m
- resolution: > HD
- optics FOV: 90°
- angle between the imaging axis and the ground plane: 45°

Different configurations are acceptable if the basic requirements are fulfilled. The most important parameter is the **incidence angle**: it should always be in the **range of 30–60 °**.

A few good-practice examples:



Do not have your own video? Try **SWISSTRAFFIC.ai** for free with one of our examples for **SCOUT**.