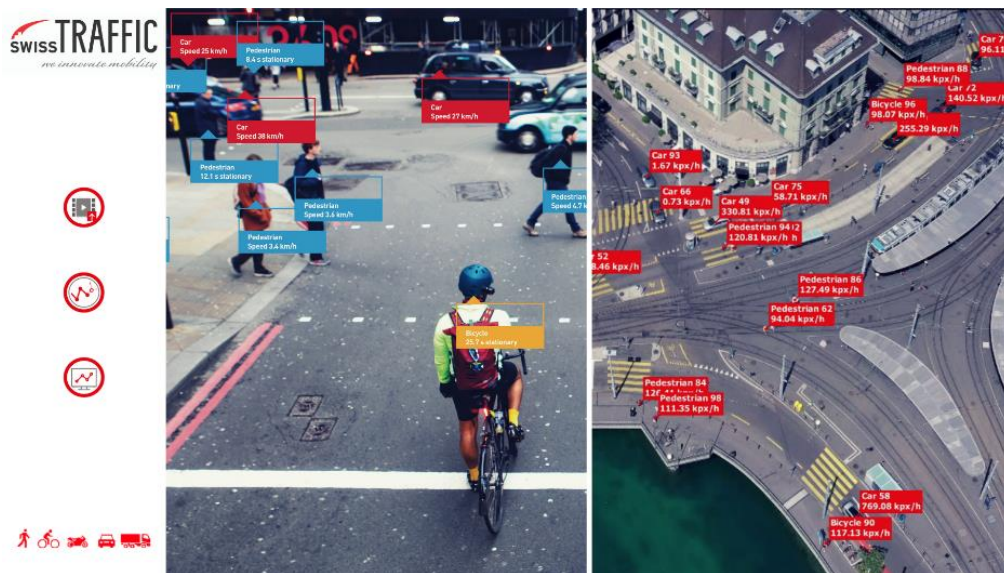# What's the difference between SCOUT and DRONE platforms?

It's easy! Video captured by standard camera = SCOUT and by drone = DRONE

SCOUT

- Low altitude videos - angle of incidence up to 45 degrees
- For mobile (swiss SCOUT) or fixed camera records - no camera movement during the recording
- Resolution: 1280×720 or more
- Bitrate: 5 Mb/s or more
- Framerate: 25 or more
- Min. traffic object size: 32px in one dimension
- Continuous video without cuts

We also recommend **minimizing occlusions** in the view on the scene to maximize the traffic analysis accuracy. It is useful for the input video to be **as stable as possible** with the area of the

interest kept in the view throughout the whole video capture process to prevent misleading gate counting - since the video is not georegistered.

Find out more in **How to record a video for SWISSTRAFFIC.ai SCOUT?**
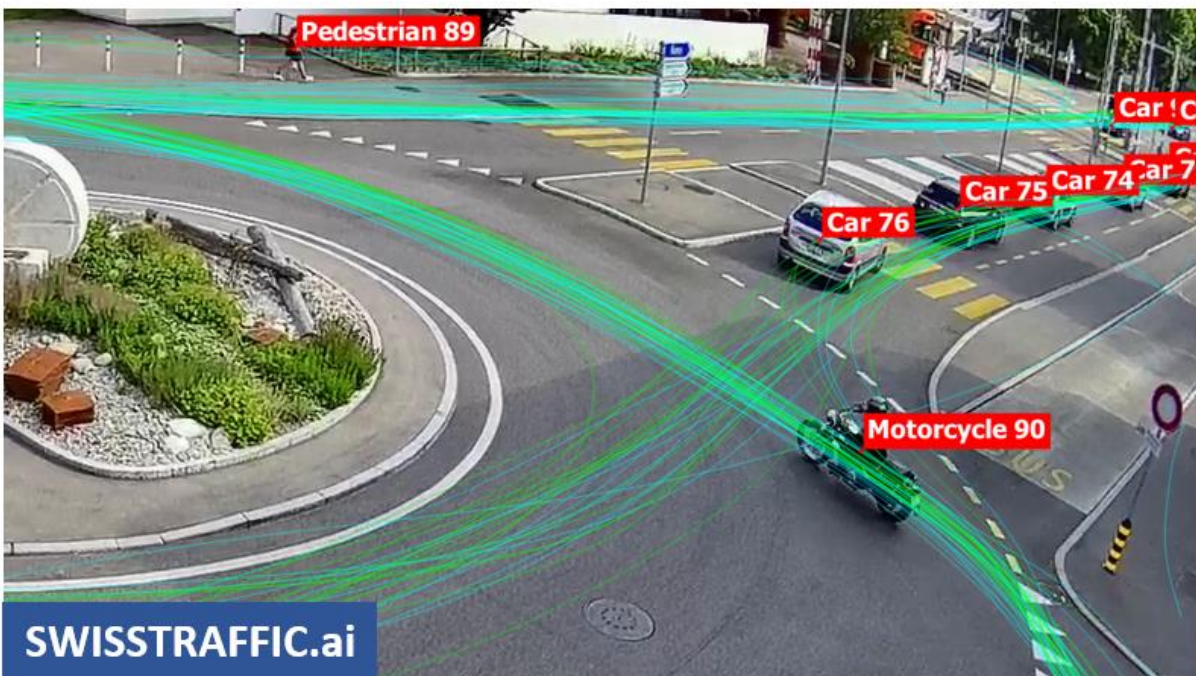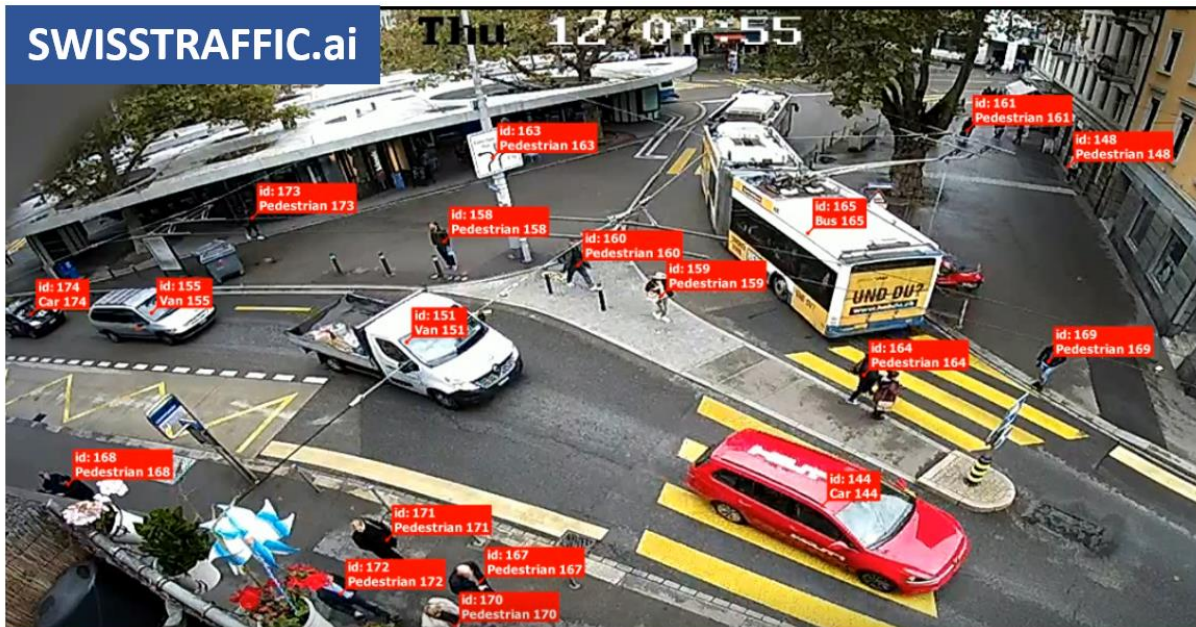
DRONE

- Drone videos - angle of incidence from 0 to 45 degrees
- For oblique angles with distances shorter than 120 meters, FULL HD (1920x1200) resolution will be sufficient, but it is better to use a higher resolution (2k/4k)
- For oblique angles with distances of 120 to 300 meters, use 4K video resolution
- Record your video with 25 FPS and with standard bitrate (approx. 20 Mbit/s)
- The system is robust against short occlusions
- The recommended size of objects in the image is between 30x30 pixels to 150x150 pixels in the whole monitored area within the intersection

By following these rules, you will get suitable videos for automatic processing to extract super-accurate data for your traffic study. Before the final recording, we recommend carrying out a test flight or make a few sample recordings to get acquainted with the basic principles. If you have any questions, do not hesitate to contact us.

Find out more in **How to record a video for SWISSTRAFFIC.ai DRONE?**