

Samples Pack

CAMERA CAPTURE

1. DESCRIPTION

This sample create a formatted report of the sensor outputs during a simulation.

The scenario is automated in SCANer™ Studio to follow a strict sequence of situations. During the simulation, each frame is captured with visual and sensor values in CSV and image files.

A C ScannerAPI module is used to perform this.

2. GET STARTED

→ Select configuration EVAL_19_CAMERACAPTURE
CONFIGURATION > Configuration Manager... > EVAL_19_CAMERACAPTURE

The necessary modules start automatically.

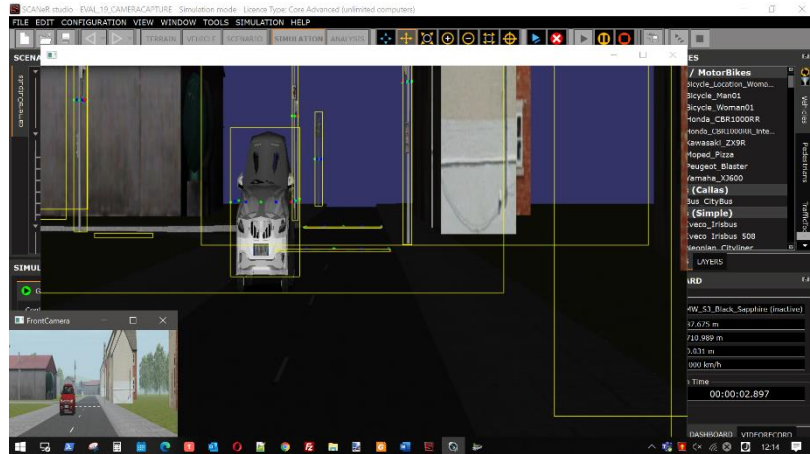


→ Open the scenario [cameraOutputs.sce](#)



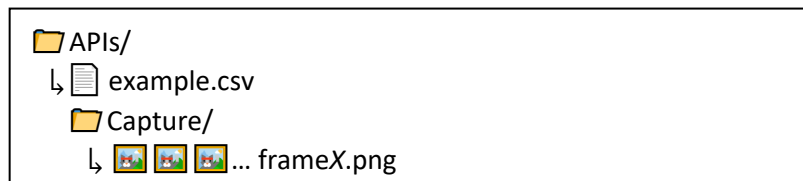
- Start the simulation 

The scenario unfolds automatically. The TARGET vehicle (red BMW) teleports a few times. Check the CAMERA and RADAR debug windows for the immediate outputs of the sensors:



The simulation stops automatically after a few seconds.

- Open the folder `%STUDIO_PATH%/SCANeRstudio_2021/APIs`



For every frame of the simulation, there is a line in example.csv and a picture in Capture/

- FrameNumber: The frame where detection took place
- Time: Simulation time of the frame
- ID: Identifier of the detected vehicle in SCANer, as seen in the SCENARIO tree of SCANer™.
 - [0] BMW_S3_Black_Sapphire (EGO vehicle)
 - [1] Kid_Boy_Winter_01 (TARGET pedestrian)
 - [2] BMW_S3_Melbourne_Red (TARGET car)
- Type: As defined in the [MDL](#) description of the vehicle
 - 5 = Car
 - 13 = Pedestrian
- BBox *: The coordinates of the detected bounding box in the Sensor's referential

