

Component Technical Specification

Front View Camera

v 1.3

2017-03-29

Revision history

Version	Description	Date
1.3	Corrected naming: Sensor -> Camera Added: Max. number of detected objects	2017-03-29
1.2	Added: Traffic sign orientation, Figure 1.	2017-03-21
1.1	Reviewed, minor findings fixed	2017-03-20
1.0	Initial draft version	2017-03-01

Functional description – Front View Camera

The Front View Camera is responsible for detecting and recognizing traffic signs.

Field of view shall be configurable in the following range:

- 20-60 m
- 30-50 degrees

The Camera shall be able to recognize signs, which are aligned to the camera (ego direction) up to $\alpha=40$ degrees (see Figure 1).

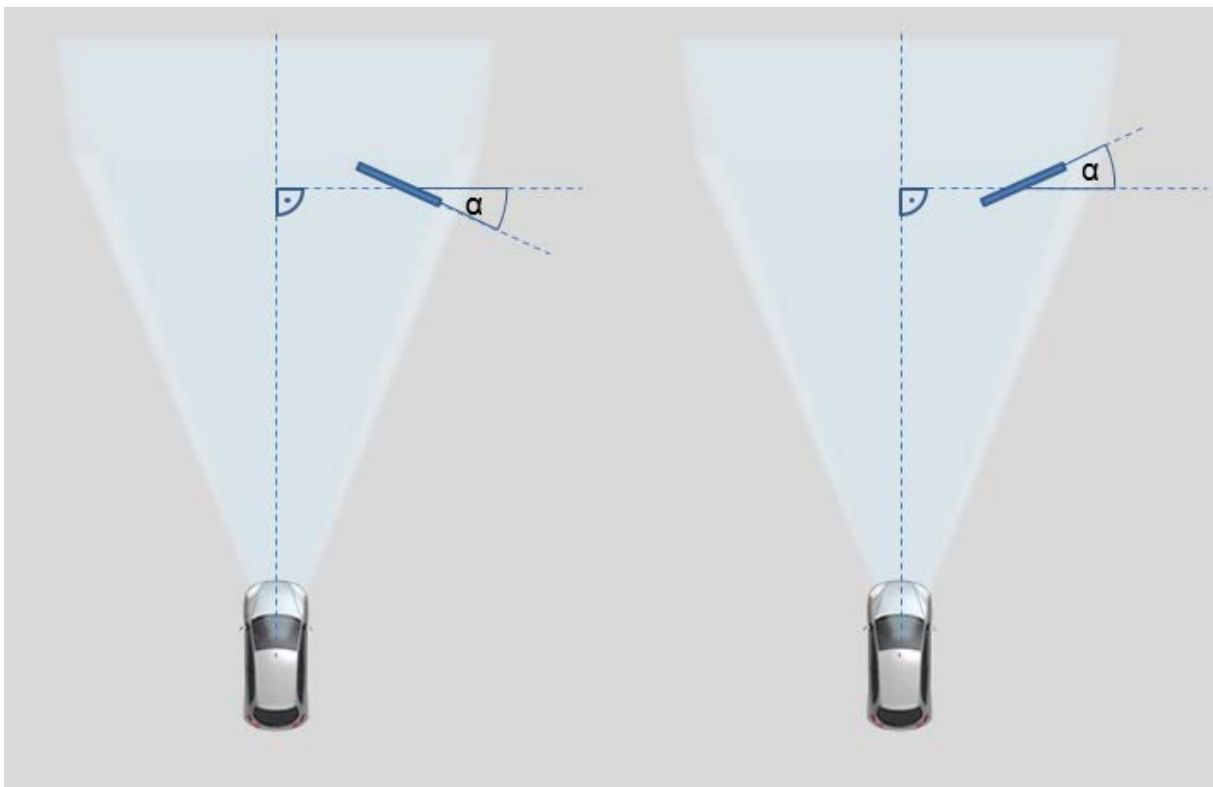


Figure 1.

The Camera shall provide the following information about the detected sign(s) to the Communication Bus:

- Longitudinal distance from ego
- Lateral distance from ego
- Meaning of the recognized sign

The Camera shall be able to detect up to 5 objects. If there are too many detected objects, the closest 5 shall be considered.

The following signs shall be recognized:

