

Component Technical Specification

Front View Camera

v 1.2

2017-03-21

Revision history

Version	Description	Date
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).

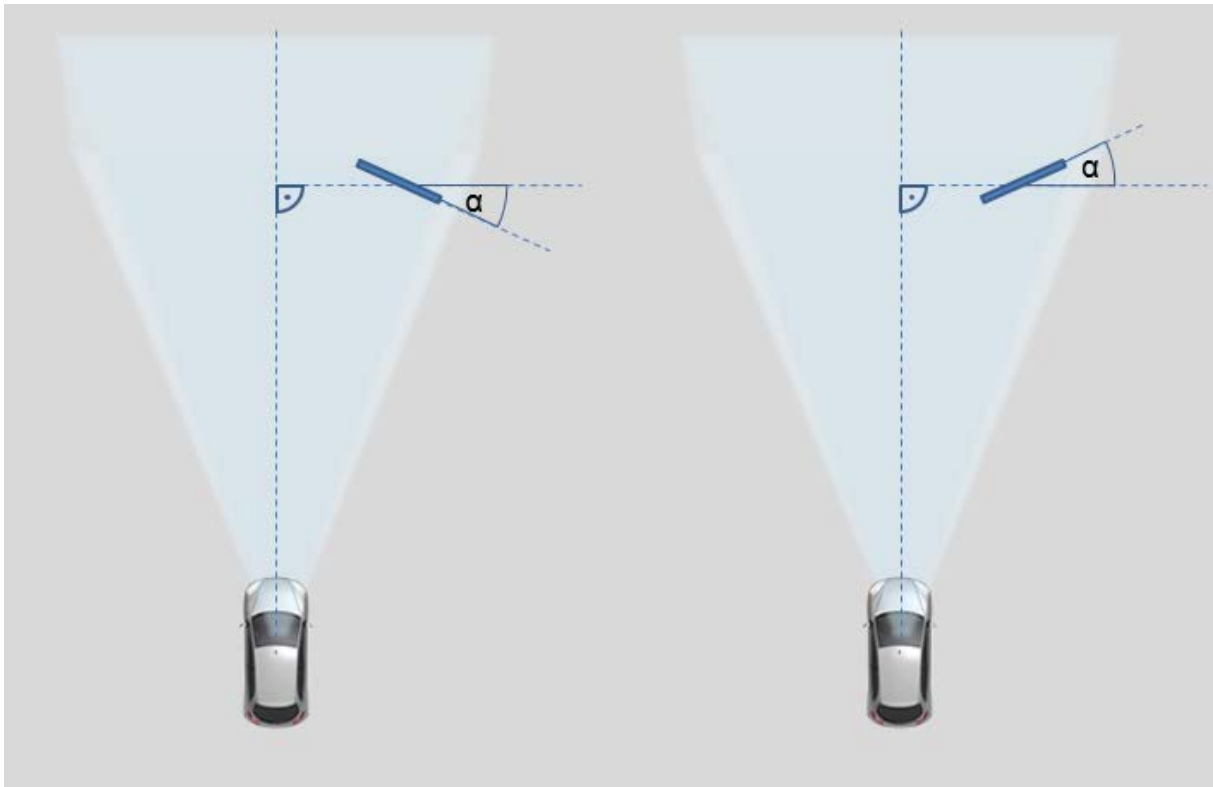


Figure 1.

The Sensor 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 following signs shall be recognized:

