

Perception Layer

← sendsData

Perception

{incomplete, disjoint}

Vision

Positioning

Sensing

{complete, disjoint}

{complete, disjoint}

{complete, disjoint}

«Camera»

«Camera»

«GPS»

«Antenna»

«IMU»

«Ultrasonic ranging device»

«Radar»

«LiDAR»

Mako G

Sekonix

PwrPak7

Novatel

IGM-S1/STIM30

Front and Rear

Delphi ESR 24V

VLP32

R6, R7

R16

R1, R2, R3

R4, R5

R8, R9

Network Layer

Network

connectedTo

Local area network

Internet

Controller area network

R17

R12, R13

R14, R15

R18

transmitsData

connectedTo

connectedTo

connectedTo

connectedTo

Application Layer

Display

3

Internal storage

1

«Computing unit»

Spectra

1..*

«Router»

wAP ac LTE6 kit

1

commands

Map storage

Kvaser Hub

USB-CAN

USB HHub

Physical ports

«Actuation module»

PACMOD

uses

Electric control unit

R19, R20, R21

R10, R11, R22, R23