DECATUR RAPTOR

R.A.P.T.O.R.

Radar and
ANPR
Protection for
Traffic
Order and
Regulation

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General description

The development goal was to create a system that maximises the efficiency of speed measuring procedure by reducing the work time and also the punishment-procedure time with a higher automatisation level. Beyond this, the system is capable to give more – multi-usable – information, which supports the legitimacy of the procedure.

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Supported activities

- Vehicle ID checks
- Stolen, wanted vehicle filtering
  (database connection needed)
- Documentation of the identity checks
- Documentation of traffic offenses
  (speeding, red-light violation, dividing line crossing, bus lane violation, etc.)
- Additional advantages
  (officer protection, training goals, risk analysis, etc.)

Make and assembly

The devices that are built into the vehicle may change according to its function, so the placing of these is dependant on the expedience.
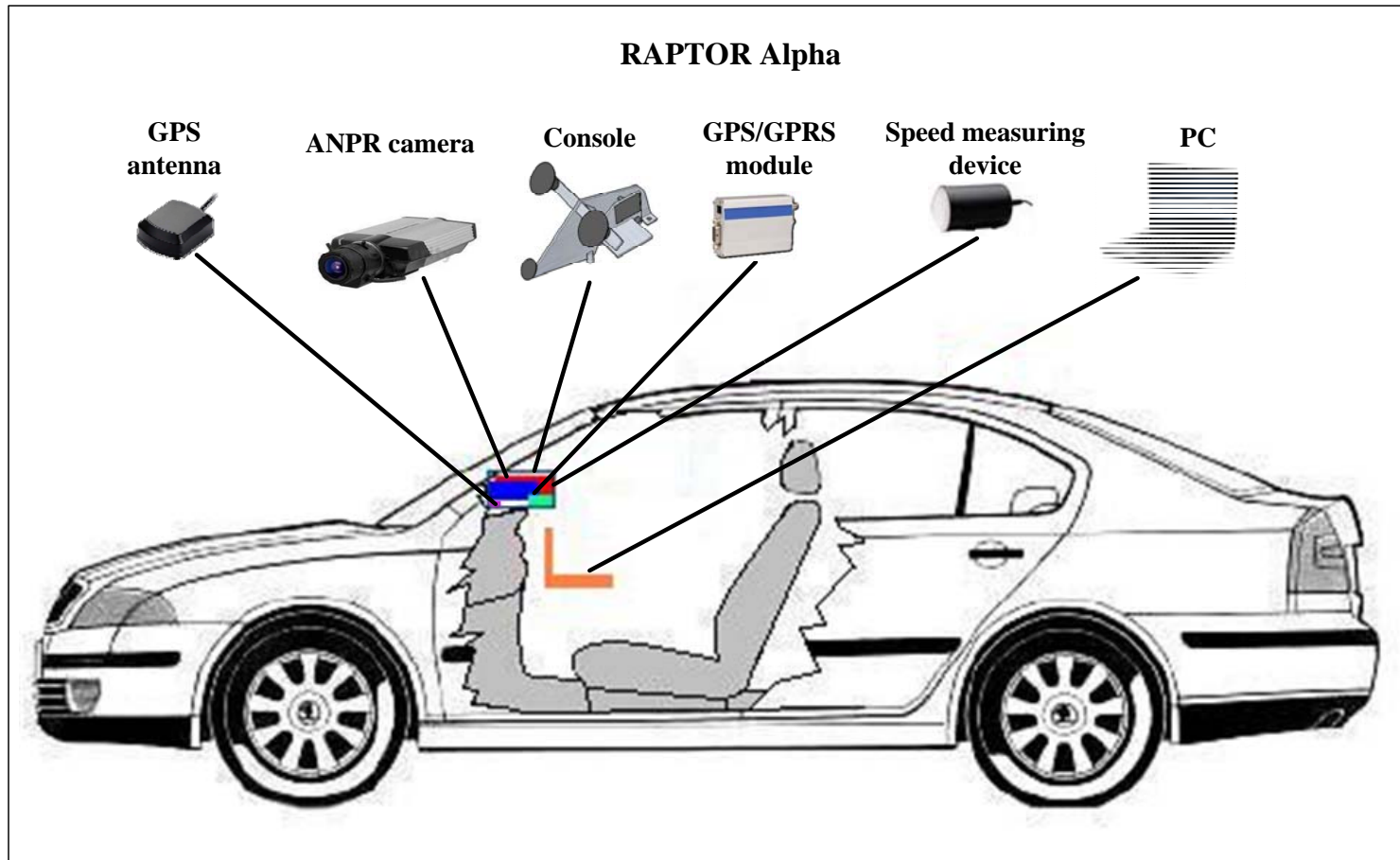
All system parts are installed internal (except IR – it must be outside), due to this the size of the parts are minimized and the good location could provide the biggest possible elbow-room.

Henceforth we can see a possible device placing variation based on the typical police vehicles.

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Stucture

RAPTOR Alpha

GPS antenna | ANPR camera | Console | GPS/GPRS module | Speed measuring device | PC

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Tools and functions

1, PC (system centre)

event data recording, storing, correlation processes, adaptability, synchrony, etc

2, Antenna

for communication (GPS localization)

3, Camera

image documentation of outside events

4, Speed measurement

speed detection of observed vehicles

8, GPS/GPRS
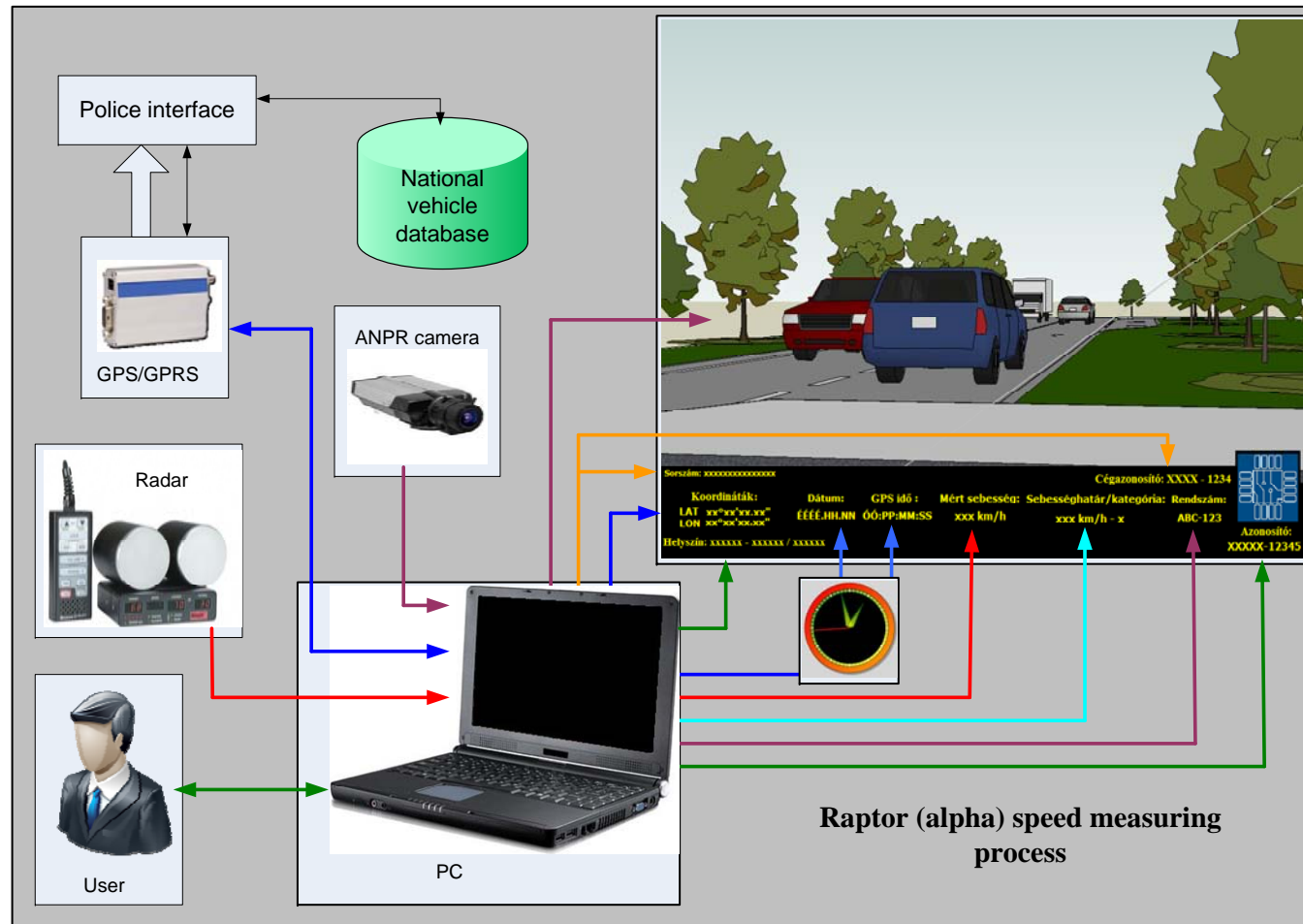
documentation, communication, requests, data transfer

9, Console

specially designed console in order to place system parts

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Example: Speed measurement

Raptor (alpha) speed measuring process

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Advanced systems (Omega)