Technical data

- System consists of mobile sensor poles with a fused field of vision
- Sensor head with stereo camera system and infrared flash
- Communication unit: (W-)LAN for data exchange and uplink via LTE-connection
- Power supply via external link to national grid or power unit
- Outdoor control box for processing computers

Output data: trajectories (position, speed, acceleration) and corresponding scene videos with augmented bounding boxes.
Testing and Safeguarding – Stand 19b

TOOLS FOR PROVING GROUND AND FIELD TESTS
MOBILE TRAFFIC ACQUISITION

Application

- detection, tracking and classification of motorized and non-motorized traffic
- observation of driving behaviour of automated and non-automated vehicles in the field
- analysis and shaping of interaction for automated vehicles
- analysis of traffic behaviour in shared spaces
- storage of data for offline-applications in local database
- ability to be integrated in cooperative system approaches via C2X

Measurement campaign at the main station Braunschweig to observe shared spaces
Measurement campaign at a level crossing with a flashing signal
Measurement campaign on the Autobahn A39

Measurement campaign at test site Pferdsfeld (top) Presentation of processed measurement data (bottom)