CoCAtt Dataset

Driving Context

Driver State

intersection intention

distraction state

Vehicle State

RGB frames

odometry data   control data

autopilot   manual

driving mode

simultaneous collection

Driver's Attention

Low-resolution Gazes

low-cost eye tracking solution

Challenge 2: Real-time Gaze Calibration

High-resolution Gazes

expensive eye-tracker

Intention: go straight

Intention: turn left

Intention: turn right

Challenge 1: Cognitive-conditioned Driver Attention Learning