Drive Video Analysis for the Detection of Traffic Near-Miss Incidents

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• A novel traffic near-miss incident database (NIDB) that contains a large number of dangerous traffic scenes

• 2 Contributions:

1. Traffic DB creation which is based on the philosophy: making sure the analysis of near-miss helps prevent collisions

2. To improve a near-miss recognition, we provide additional data and semantic flow

NIDB
Near-Miss Incident DB

6,200+ videos,
1,300,000+ images,
7 near-miss/bg categories