

## C o s t s :

Recording hardware will be priced around USD 50 per pair of cameras.

Reconstruction software licence will be priced around USD 30'000 per work-station.

---LASEC

The reconstruction of many accidents is often impossible due to a lack of reliable data. Testimonies are helpful, but subjective. Involved insurance companies and vehicle drivers pay for the loss.

## C o n t a c t :

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## What is LASEC?

LASEC (=LAst SEConds) is a low-priced „black-box“ for cars reconstructing any critical traffic situation in form of a true-to-scale 3D-video-and-sound-animation. LASEC is an absolutely incorruptible and objective witness of accident. The course of events can be replayed as many times and from as many perspectives as needed, real-time or slow motion. If stopped, any parameters like speed or distance can be exactly measured as given by the actual 3D-situation.

## How does it work?

LASEC is based on image-data taken by a calibrated and synchronized pair of cameras, integrated in the car. By the help of image-processing and photogrammetry it is possible to determine the exact 3D-positions of some reference points. The course of events in the accident can now be automatically calculated and 3D-animated, based on a database containing the shapes of all common car models. This animation includes all cars and obstacles involved.

## Advantages:

- Objective and incorruptible witness replaces subjective statements
- Complete visualization replaces detective-like reconstruction
- A true-to-scale 3D-animation replaces numerical sequences for experts only
- Complete data replaces simple speed registration
- Registration of all traffic around replaces self-monitoring
- Two cheap cameras replace a number of sensors
- Easy understanding of the course of events in a few minutes

Principle of reconstruction

