

Top view at car to car crash lab

- Turn-key project realized by AOS Technologies
- AOS X-MOTION cameras
- Gigabit Ethernet data interface
- Compact, low weight
- Remote controlled lenses
- Remote operation of cameras
- Frame synchronisation



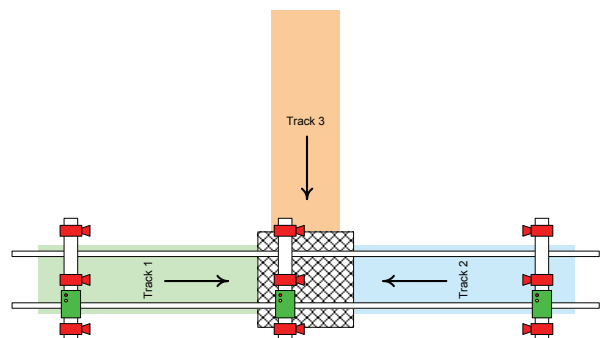
AOS Technologies is well known to provide engineering for special turn-key projects. Recently an application with multiple X-MOTION cameras was realized. The purpose was to get a top view at the car to car crash lab.

There are three sub-systems, each containing three cameras, a remote controlled lens per camera and one control unit. Every camera is fully remote controllable, feeding back "Armed" and "Triggered" signals and receiving "Remote-Switch-On", "Set-To-Record" and "Trigger" signals. Image data is transferred by Gigabit Ethernet switches embedded in these three control units. The lenses allow adjusting zoom, focus and aperture remotely from the control room, which is 100 meters away from central camera sub-system.

All cameras run in frame synchronisation mode.

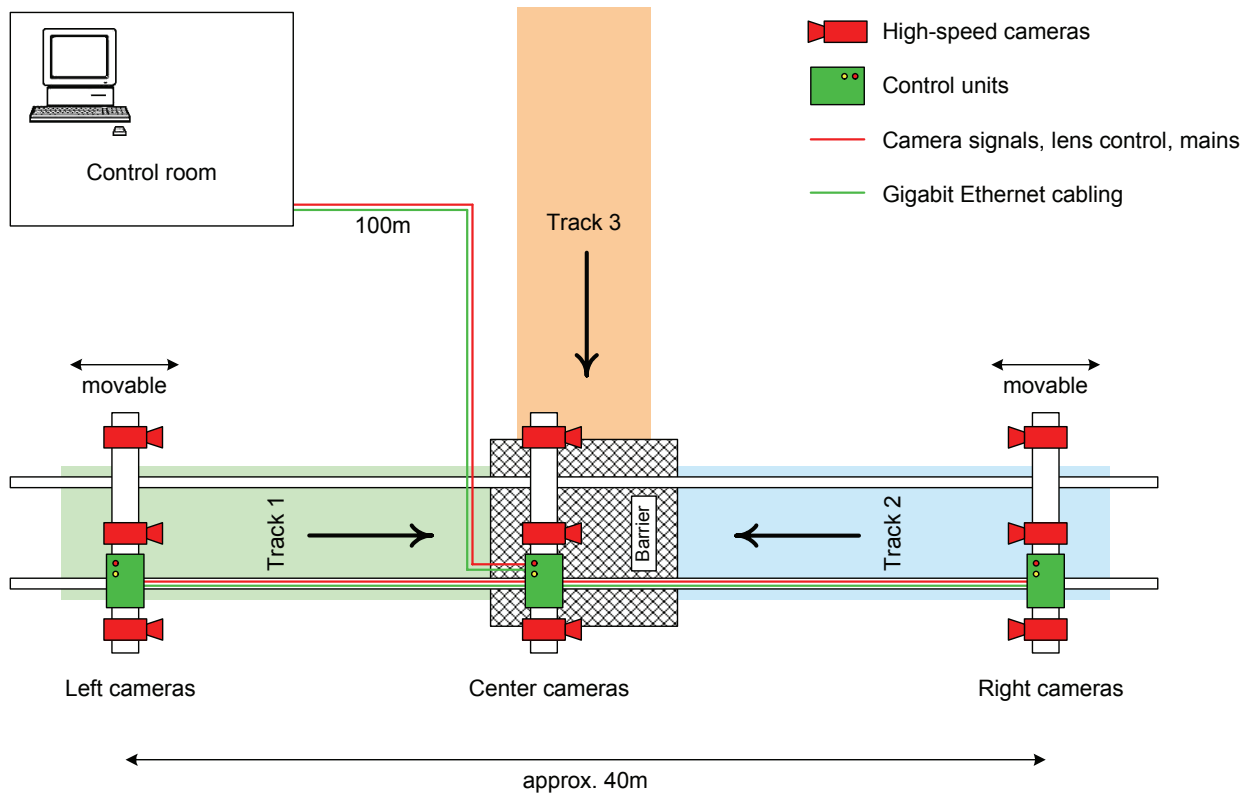
Customer Benefit

- Fail safe system with battery backed up image memory in camera assures data safety
- Reduced time and costs per test due to central control of cameras, lenses and data acquisition
- System layout with focus on economical operation
- Simplified maintenance by use of standard components
- AOS delivers turn-key system that clearly meets customer targets and expectations

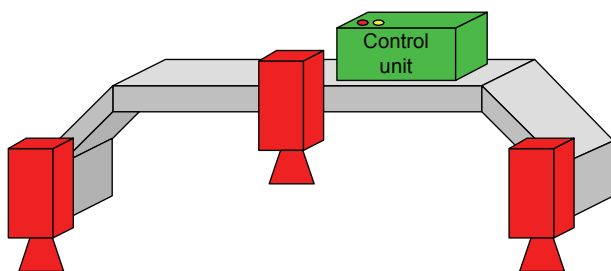


Imaging for smart decisions

Installation in car to car crash lab



Detail of sub-system with three cameras



- Each camera is equipped with a remote controlled lens.
- Wiring of lenses, camera signals, Gigabit Ethernet connection and power supply is managed by the control unit.

Each control unit contains

- Gigabit Ethernet switch with 6 ports
- Power converter from 230VAC to 12VDC
- Wiring for frame synchronisation
- Wiring for lens control
- Logic and line driver for "Armed" and "Trigger" signals
- Relais for "Remote-Switch-On", "Set-To-Record" and "Trigger" signals

AOS Technologies AG
 Taefernstrasse 20
 CH-5405 Baden-Daettwil
 Switzerland
 Phone +41 56 483 34 88
 Fax +41 56 483 34 89
 www.aostechnologies.com
 Info@aostechnologies.com



Imaging for smart decisions