

PRODUCT LEAFLET

TECHNICAL SPECS

APPLICATION NOTE

Application

Turnkey multi-camera system for automotive safety testing

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Industry
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Research
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Automotive
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Defense

Subject

The purpose of this project is to provide users an economical, comfortable setup for a camera system for sled test applications. All operation can be executed from the central control room.

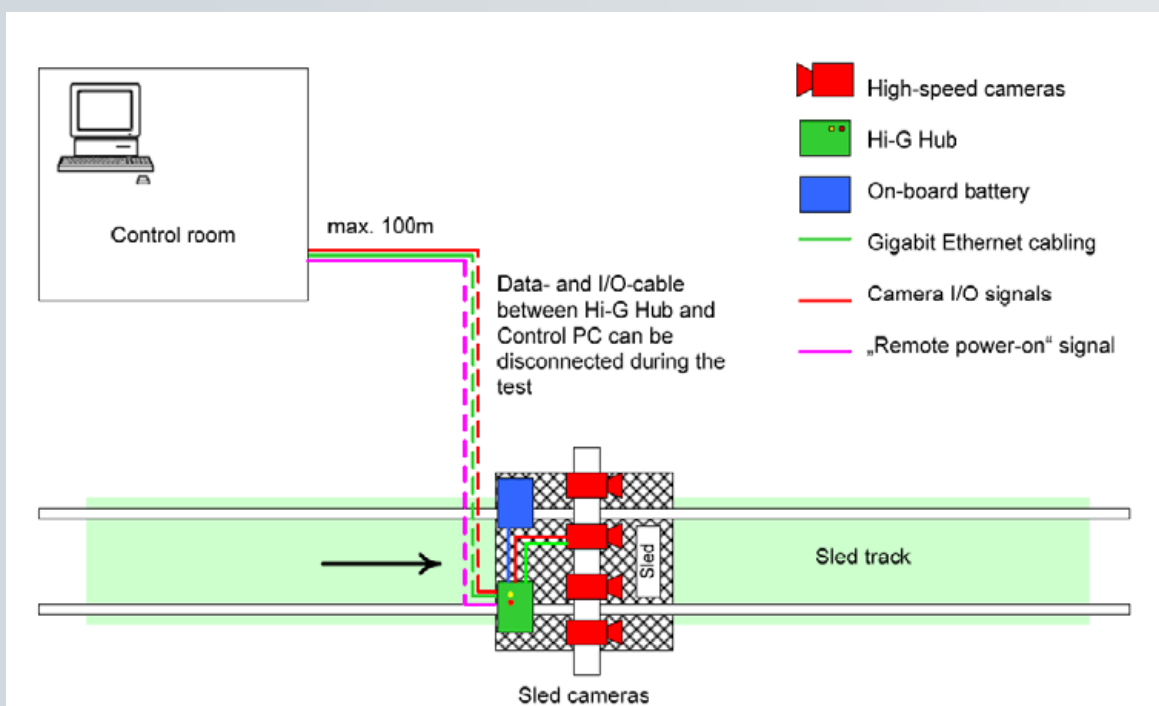
Solution

AOS Technologies is well known to provide engineering for complete turn-key projects to keep integration and installation time to a minimum.

System setup in an automotive sled test center

Customer benefits

- 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 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





S-VIT LS high speed camera (tested and certified for up to 100G)

Your AOS Partner:

Specifications are subject to changes without prior notice – v0810

Scope of supply

- 4 units of S-VIT LS high speed cameras
- 4 lenses with crash cages
- 1 Hi-G camera hub (for 4 cameras)
- 1 On-board battery
- all cables

Competitive advantage:

A camera system consists of up to 4 high speed cameras and a Hi-G hub. If more than 4 cameras are necessary, a second Hi-G hub can be used. The cameras and the hub are powered by the sled's on-board DC power system, alternatively a dedicated Hi-G battery can be used. Only 2 cables run between the each camera and the Hi-G hub which makes installation and setup a cinch. All cameras feature a builtin battery for autonomous operation and to safeguard the image data after the test has been completed to avoid loss of image data due to power failure. Cameras can be switched-on from the control room via the "Remote- Switch-On" signal. To ensure that all high speed cameras are ready, every unit is feeding back "Armed" and "Triggered". To start recording, 2 signals "Set-To-Record" and "Trigger" are available. The image data is transferred by Gigabit Ethernet. All cameras run in frame synchronisation mode.

Customers:

- car manufacturers
- test centers for automotive safety