

SMIZE-HUB *high-speed camera hub*

- Ultra-compact hub for connecting up to 4 SMIZE high-speed cameras
- Dual-camera system for 3D motion analysis
- Solid, all-metal housing
- Fail-safe data download



Similar to the highly successful VITcam, the new SMIZE retains unique features like built-in battery and stand-alone operation (no camera connection to the control PC required during recording), yet offers an even smaller form factor, making it the ideal choice for all applications where space is limited.

Up to four SMIZE cameras can be connected to a SMIZE-HUB to form the most compact Hi-G camera system available for 3D motion analysis applications. The SMIZE-HUB connects to the control PC by way of a Gigabit Ethernet interface while the cameras use the AOS data interface.

The AOS data interface allows a local fail-safe data download for maximum data security.

Key features

- Ultra-compact camera hub.
- Gigabit Ethernet link to control PC.
- AOS camera interfaces.
- Fail-safe data download.

Please refer to the SMIZE leaflet for details of camera-specific features.

Applications

SMIZE-HUB, consisting of SMIZE cameras and a SMIZE-HUB, is particularly suitable for all applications where a compact and portable, yet robust camera system is essential:

- Vehicle impact testing (cameras can be mounted in door panels for example, allowing free line of sight to the dummy or interior details without obstruction by curtain airbags or other equipment).
- Automotive research (image sequences showing concealed or inaccessible components in operation: observation of engine block vibration, suspension and brake assemblies, steering components).
- R&D in process engineering or in troubleshooting where space for positioning the camera is very limited but a direct view of the object, unobstructed by levers, cables or other items, is essential.

Advantages

- True and accurate 3D motion analysis possible with two or up to four SMIZE cameras.
- Gigabit Ethernet connection allows integration in larger control networks.
- Maximum image data security provided by second interface (fail-safe data download).
- Can be used with up to four cameras, or the cameras used without the hub. This highly versatile system thus adapts to your application needs today AND tomorrow.
- Extremely low power requirement.

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Features

Data interfaces: AOS data interface between the cameras and hub. In case of data transfer malfunctions, a fail-safe data download is possible.

Connection between SMIZE Hub and the Control PC is done by a standard Gigabit Ethernet interface (1000Mbps).

Software

All SMIZE cameras come complete with AOS Imaging Studio. This PC application is also compatible with previous AOS cameras.

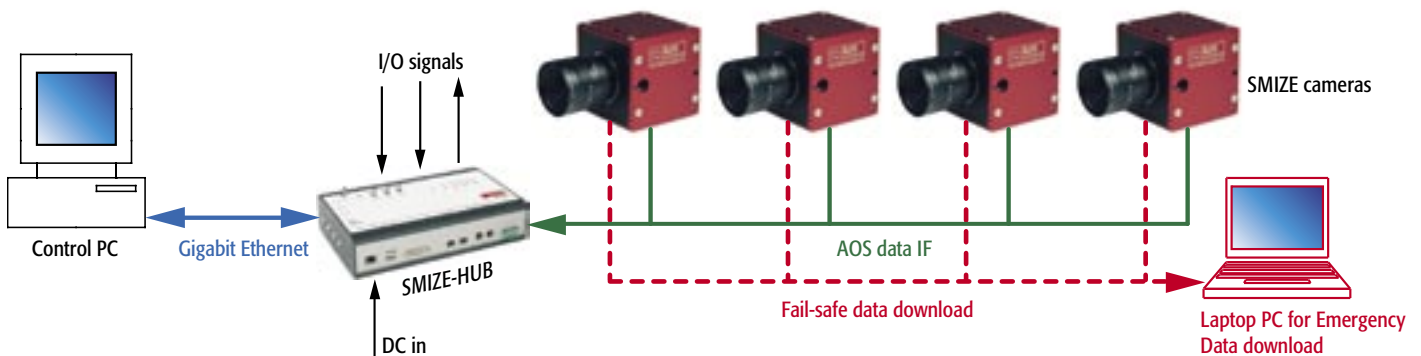
Accessories

- Trigger devices (incl. radio-controlled devices)
- Fiber-optic data interfaces
- Optical systems, lenses

Services

- Project engineering
- Customizing (camera equipment and software)
- Warranty extensions
- Maintenance contracts
- Financing, leasing

SMIZE-HUB system layout



SMIZE-HUB specifications

(please refer to the SMIZE leaflet for details of camera-specific features)

Input / output	Multi-pin connector, heavy-duty type, lockable.
Inputs	12V DC, set-to-rec, trigger, synch in, (BNC connectors).
Outputs	Synch out, armed (BNC connectors).
Data interface (hub – control PC)	Gigabit Ethernet interface (1000 Mbps).
Data interface (hub – SMIZE camera)	AOS data interface
Data transfer rate	100 / 200 / 400 Mbps
Temperature range	Operation: -10...+45°C, Storage: -10...+80°C
Housing	Rugged aluminum housing.
Shock resistance	Shockproof up to 100 G / 3 axes
Size / weight	270 x 162 x 62 mm / 2.5 kg
Approvals / certification	Complies with relevant standards.

Specifications are subject to changes without prior notice – v1006

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



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