

More than simply the sum of its parts

Industrial Imaging – a subject area which is just as intricate as it is complex. An area which requires both an interdisciplinary approach and action and high-class products and services.

Being a customer focused and agile company with experts in Industrial Imaging, we provide superior solutions. We represent competence, innovation and quality. We are a central contact point for our customers in all questions and wishes in the sector of modern vision technology.

We are a part of an internationally operating high-tech group of companies under the umbrella of HT-Holding AG. Owing to this, we benefit from considerable resources, many years of experience and broadly based technical competence in all relevant disciplines. From development through production and quality assurance to consultancy, sales and support: imaging is our business – and the factor for your success.

Quality made for an ambitious world

Our groundbreaking solution offering – a synthesis of a pronounced quality approach, innovative design, the use of high-tech components and application of state-of-the-art forms of production (ISO 9001).

Integrated added value – a claim met by all our products and solutions and which gives our customers added value.



Entry-level high-speed camera

Main applications/ market segments

- Industrial (R&D, Installation, Troubleshooting)
- Research (Bio-mechanics, materials)
- Sports applications

Highlights

- Entry level model, outstanding price/performance ratio
- Options available to extend versatility
- Options can be purchased with camera, or at any time later (installation by the end-user, no need to return camera)

• *Next higher model: X-MOTION*

• *Next lower model: none*

Key specs

- 800 x 600 @ 1'000 fps
- 1,280 x 1,024 @ 500 fps (optional)
- 4,000 fps max. frame rate (optional)
- Image memory up to 5.2GB
- Built-in battery
- GigaBit Ethernet Interface
- Event marker input



General purpose high-speed camera

Main applications/ market segments

- Industrial (R&D, Installation, Troubleshooting)
- Research (Bio-mechanics, materials)
- Automotive safety tests (off-board)

Highlights

- Compact yet robust design
- Self-contained (battery powered)

• *Next higher model: X-VIT LS or X-VIT CF*

• *Next lower model: X-PRI*

Key specs

- 1,280 x 600 @ 1,000 fps
- Full resolution 1,280 x 1,024 up to 500 fps
- 32,000 fps max. frame rate
- User definable ROI
- Image memory up to 5.2GB
- Built-in battery
- GigaBit Ethernet Interface



Hi-G high-speed camera

Main applications/ market segments

- Automotive safety testing (on-board)

Highlights

- Shock proof up to 100G
- Modular camera concept, expandable with many options
- Self-contained (battery powered)

• *Next higher model: X-VIT CF*

• *Next lower model: X-MOTION*

Key specs

- 800 x 600 @ 1,000 fps
- 1,280 x 1,024 @ 500 fps (optional)
- 16,000 fps max. frame rate (optional)
- Shock proof up to 100G
- Image memory up to 5.2GB
- Built-in battery
- GigaBit Ethernet Interface



Hi-G high-speed camera

Main applications/ market segments

- Automotive safety testing (on-board)

Highlights

- Shock proof up to 100G
- Self-contained (battery powered)
- Double data security due to built-in CompactFlash memory

• *Next higher model: X-EMA*

• *Next lower model: X-VIT LS*

Key specs

- 1,280 x 1,024 @ 500 fps
- 32,000 fps max. frame rate
- Image memory up to 5.2GB
- Shock-proof up to 100G
- Built-in battery
- Built-in CompactFlash memory
- GigaBit Ethernet Interface



High-speed camera for military applications

Main applications/ market segments

- Ballistic testing
- Airborne testing

Highlights

- Shock- and vibration proof camera
- Compact, fitting into tight spaces
- Built-in CF memory for double data security
- X-EMA SDI with built-in Video outputs (SDI, PAL, NTSC)
- Tested according to MIL-810 and MIL-461 standards

- *Next higher model: none*
- *Next lower model: X-VIT CF*

Key specs

- 1,280 x 1,024 @ 500 fps
- 32,000 fps max. frame rate
- Image memory up to 5.2GB
- User definable ROI
- Shock-proof 100G / Vibration proof
- Extended temp. range
- Built-in CF interface
- Built-in battery
- GigaBit Ethernet Interface



Ultra compact high-speed camera

Main applications/ market segments

- Automotive safety testing (fitting into tight spaces, i.e. door panels, pedal areas, engine compartment etc.)
- Industrial (Process engineering, troubleshooting. Small size allows to position the SMIZE inside machines near the action)

Highlights

- Ultra-compact, smallest self-contained camera available
- Self-contained camera, no "stupid camera head"
- *Next higher model: none*
- *Next lower model: none*

Key specs

- 1,280 x 1,024 @ 500 fps
- 32,000 fps max. frame rate
- Image memory up to 1.3GB
- Shock-proof up to 120G
- Built-in battery
- Firewall Data Interface
- Gigabit Ethernet via SMIZE-Hub



High speed image streaming

Your process does not allow an instant quality check but the time between a production step and the quality check are minutes away?

High speed image streaming is the answer

What is high speed image streaming?
Recording at high frame rates to a hard disk with partial or full motion analysis

Applications include:

- Process monitoring
- Web and surface inspection
- Flow analysis
- Medical imaging
- Material testing
- Sports
- Installation, fine-tuning, maintenance, trouble-shooting on machines and systems and more...

PROMON PC:

- camera and PROMON Studio SW for recording into your PC's RAM

PROMON HD:

- ready-to-use system with camera, software and PC for hard disk recording

Services

- Customizing (cameras, accessories, software)
- Warranty extensions
- Maintenance contracts
- Financing, leasing

Project engineering

- Design of turnkey systems
- Design of fully customized cameras
- Customized data interface (wireless, fibre-optic)
- Special protection housings (underwater, explosion proof)

Accessories

- Trigger devices
- CF extension slots
- Optical systems, lenses

Your local AOS partner:



Imaging for smart decisions

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