X-VIT LS *high-speed camera*

- Frame rates from 30 to 1,000 fps at 800 x 600 pixels
- Compact
- Rugged design, shockproof up to 100 G
- Gigabit Ethernet data interface
- Built-in battery for stand-alone operation
- No dedicated camera controller necessary
- Modular concept, many options available

The AOS X-VIT LS offers a unique feature set including built-in battery for stand-alone operation (no camera connection to a PC controller is necessary during recording) and ultra- compact size. The AOS exclusive modular platform allows customization for each camera to fit your applications and budget perfectly.

Key features

- Gigabit Ethernet data interface
- «Image while recording»: Live image visible while camera is in recording mode
- Built-in rechargeable battery with a capacity of 1 hour in standby and $1/2$ hour in active mode
- Stand alone operation, fully self-contained camera
- A wide range of options allow you to customize each camera for a perfect fit for your applications and budget. Whenever the application changes, options can be purchased to upgrade the cameras functionality and performance. Options can be installed by the customer without the need to return the camera to the manufacturer

Applications

The X-VIT LS is particularly suited for all applications where a shockproof, compact and portable yet rugged camera is essential:

- Automotive crash test (full size or sled)
- Harsh industrial environments where cameras are exposed to vibration, impacts, dust and other challenging conditions

Advantages

- Robust design for trouble free operation
- Compact size fits tight spaces
- Options allow to customize each camera for a perfect fit with the customers application

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Options

To increase X-VIT LS's versatility, many options are available. Options can be ordered with the camera, or ordered later.

Option 1: Gain control (Lo-/Mid-/Hi-gain, 5-/8-/10-bit)

Option 2: High resolution (1,280 x 1,024 pixels)

Option 3: Extended speed (up to 4,000 fps)

Option 4: Extended I/O channels (total 4)

Option 5: External Sync

Option 6: AOS Imaging Studio FULL version

Option 7: AOS Imaging Studio FULL version with 5 dongle keys

Option 8: High speed (up to 16,000 fps)

Option 9: Extended Camera Control

Option 10: Extended trigger control

Please inquire for details about each option

Software

AOS Imaging Studio LIGHT included with all X-VIT LS cameras.

Upgrade to AIS FULL possible for extended functions and additional features (option 6 and 7)

Accessories

• Hi-G camera hub, connecting up to 4 cameras
• Lenses and lens cages
• Mounting plates
• Data interfaces, incl. WLAN

Services

• Project engineering (up to turnkey systems)
• Customizing (Hard- and Software)
• Warranty extensions
• Maintenance contracts
• Financing, Leasing

X-VIT LS specifications (basic model w/o options)

Sensor	800 x 600 pixels, color or mono
Frame rate	up to 1,000 fps at full resolution
Shutter time	4µsec – 1/fps, global shutter.
Dynamic range	24 bit color, 8 bit monochrome
Data interface	Gigabit Ethernet
Image memory	1.3, 2.6 or 5.2 GByte DRAM
Operating temperature	0…+45°C
Shock resistance	100G / 15msec / 3 axis
Size / weight	71 x 71 x 121 mm / 900 g
Lens mount	c-mount

Hi-G camera hub, connecting up to 4 cameras (optional, not necessary to operate cameras)

X-VIT LS specifications (with options)

High resolution mode	1,280 x 1,024 pixels
Frame rate	4,000 resp. 16,000 fps (reduced resolution)
Dynamic range	5-/8-/10-bit, user selectable
Multi camera sync	Sync in / sync out

Specifications are subject to changes without prior notice – v1107

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