

X-VIT CF high-speed camera

- 1,280 x 1,024 active sensor pixels
- Frame rates up to 500 fps at full resolution resp. 1,000 fps at 800 x 600 fps
- Frame rate up to 32,000 fps at reduced resolutions
- Compact, rugged design, shockproof up to 100 G
- Gigabit Ethernet data interface
- Built-in battery for stand alone operation
- No dedicated camera controller necessary
- Built-in CompactFlash memory



The AOS X-VIT CF 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, including a compact flash memory for additional data safety.

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
- Complete feature set for best performance
- Built-in CompactFlash memory for additional data safety. Immediately after the recording has been completed, the content of the image memory (DRAM) will be mirrored to the CompactFlash memory to protect your valuable image data against loss

Applications

The X-VIT CF is particularly suitable 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, impact, dust, moisture and other challenging conditions

Advantages

- Robust design for trouble free operation
- Compact size fits tight spaces
- Highest image data protection

Options

To increase X-VIT CF's versatility, the camera can be upgraded with several options:

- Memory upgrades (up to 5.2GB)
- Video interface (SDI, PAL, NTSC)
- IRIG-B time stamping

Please inquire for details about each option.

Software

AOS Imaging Studio FULL included with all X-VIT CF cameras.

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 (Hardware and Software)
- Extended warranty
- Maintenance contracts
- Financing, Leasing



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

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

Sensor	1,280 x 1,240 pixels, color or mono
Frame rate	500 fps at full resolution 1,000 fps at 800 x 600 pixels Up to 32,000 fps with reduced 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 137 mm / 980 g
Lens mount	c-mount
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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