

X-PRI High Speed Camera

- Compact
- Solid, all metal housing
- Gigabit Ethernet Data Interface
- "Image while recording"
- no dedicated camera controller necessary
- built-in battery
- stand-alone operation
- many options available



Similar to its successful predecessor, the AOS PRIVO, X-PRI keeps the unique features like built-in battery, stand-alone operation (the camera is not connected to the control PC during recording) and ultra compact size, but offers some new and practical "image while recording" to make it even more versatile. X-PRI is a one-camera-per-PC system, connecting to any WINDOWS PC via the fast Gigabit Ethernet data interface.

Key features

- Gigabit Ethernet Data Interface
- "Image-while-recording": Live image visible when camera is in recording mode
- Built-in rechargeable battery with a capacity of 6 hours in standby mode (preview, playback) resp. 0.5 hour in record mode
- 1 status input line to integrate external status signals
- Burst mode for multiple session recordings
- Selectable dynamic level for best image quality (optional)
- "Auto-save" to automatically download image data after recording. Restart of recording after completing download possible
- "AOS Imaging Studio LIGHT" software

Applications

X-PRI is especially suited for all applications where a portable, compact yet robust camera is a must:

- Industrial applications for installation, setup and troubleshooting of machines and assembly lines
- Research applications in mechanical-, electrical- and process engineering, material stress testing, medical science, sports application

Customer Benefits:

- Robust design for trouble-free operation
- Compact size and lightweight for mobile applications
- Extendable to suit your applications also tomorrow



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Options

To increase X-PRI's versatility, many options are available:

- high-resolution mode (1280 x 1024 @ 500fps)
- Image memory extensions
- Extended speed range (up to 4'000fps)
- User-selectable dynamic range (5-, 8- or 10bit)
- Additional I/O-channels (up to 4)
- CF+ slot (accepting Compact Flash Memory cards, WLAN Interface, others)
- AOS Imaging Studio SW (Full version), offering:
 - On-screen display (OSD)
 - HQ Image Algorithm
- Handgrip, making handling even more convenient

Options can be ordered with the camera, or ordered later.

X-PRI specifications (standard)

Sensor	800 x 600 pixels, color or monochrome
Pixel size	12µm
Frame rate	1'000fps at full resolution
Shutter time	4µsec – 1/fps, global shutter
Dynamic range	24-bit color, 8-bit monochrome
Input/Output	14-pin connector heavy-duty type, lockable
Inputs	12V DC (9...16V DC), set-to-rec, trigger, remote-on
Outputs	Strobe out, armed
In/output status lines	1 status line, in- or output, TTL, user configurable
Data Interface	Gigabit Ethernet
Image memory	1.3GB / 2.6GB / 5.2GB DRAM
Sequence length	5.4 / 10.8 / 21.6 sec @ full resolution / 500fps
Temperature range	Operation: 0...+45°C, Storage: -10...+80°C
Housing	Solid design, extruded and anodized aluminum housing
Size/weight	71 x 71 x 121mm / 900gr
Lens mount	C-mount. 2/3"-lenses cover the full resolution
Camera mount	Standard 3/8" thread with 1/4" insert
Approval / certification	In compliance with relevant standards

X-PRI specifications (options)

High resolution mode	1280 x 1024 pixels, color or monochrome
Frame rate	4'000 fps at reduced resolution
Dynamic range	5-/8-/10-bit, user selectable
Multi-camera sync	Sync in / out
In/output status lines	3 extra status lines (totally max. 4 status lines)
Extension slot	CF+ (Compact Flash Memory, WLAN data IF, others)

Software

AOS Imaging Studio LIGHT included with all X-PRI cameras. Downward compatible with AOS cameras of previous generations

Simple to operate, yet highly powerful and suited also for the most demanding application

Accessories

- Trigger devices (incl. Radio controlled devices)
- FibreOptic Data interfaces
- Optical Systems, lenses

Services

- Project engineering
- Customizing (Hard- and Software)
- Warranty extensions
- Maintenance contracts
- Financing, Leasing

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