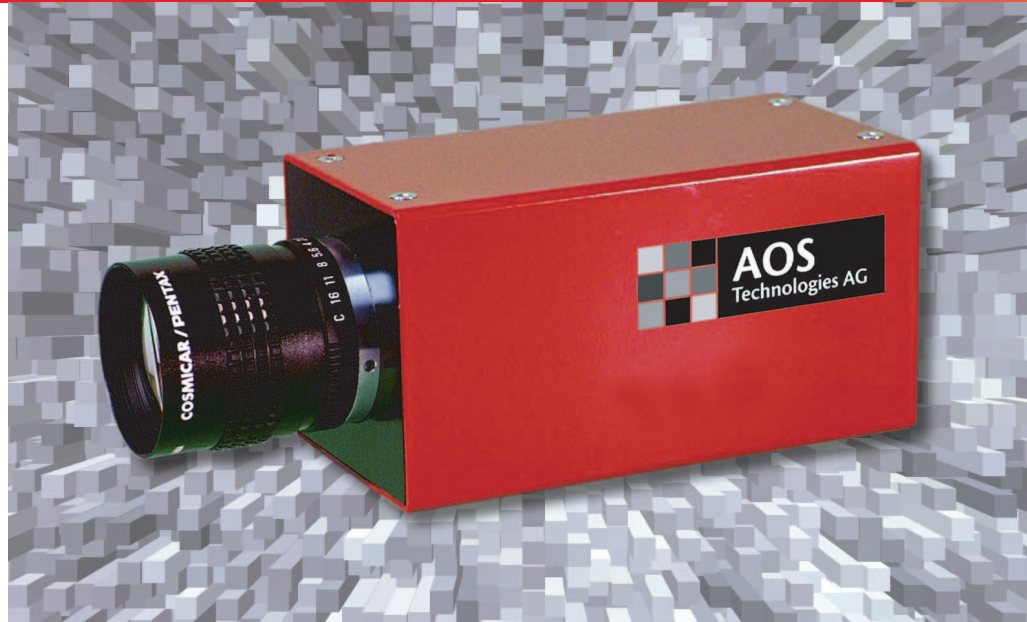# MOTIONeer™ – High-Speed Camera

Specifically designed for industrial applications, the innovative AOS Technologies MOTIONeer high-speed digital camera architecture puts it in a class by itself. Small, (125 x 67 x 67 mm), lightweight, (less than 1 kg), stand-alone battery operation and FireWire network connectivity are just a few attributes of the AOS MOTIONeer series.

The MOTIONeer Features

Small
The MOTIONeer measures 125 x 67 x 67 mm (5 x 2.6 x 2.6 inches) and weighs 0.75 kg.

Stand-alone
Internal battery provides power for up to 30 minutes in recording mode (and up to 6h in standby mode). Eliminates the bulky tethered processor.

Easy-to-use
Just "point & click", it's that simple. FireWire connectivity simplifies the camera control.

Fast
Speeds of 500 fps at a full resolution of 1280 x 1024 up to 32,000 fps with reduced resolution.

Robust Design
The MOTIONeer is housed in a full metal housing to withstand rough industrial environments.

The MOTIONeer at Work

The MOTIONeer is designed especially for hostile environments, the perfect choice for the following applications:

- process control
- process engineering
- quality inspection / control
- research (materials, biotechnology)

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Ease of Use

The MOTIONeer is easy to operate with the simple and reliable "Point & Click" windows based software. The camera is accessed via a conventional FireWire (IEEE 1394) interface.

Flexible Resolution and Recording Speeds

Does your application require higher resolution, a longer recording time or faster record speeds? The MOTIONeer provides various resolution and speed selections for your application requirements. You choose the parameters and MOTIONeer does the rest!

Triggering

The MOTIONeer's flexible trigger options allows the user to create the perfect Pre and Post event trigger settings for capturing images of an event.
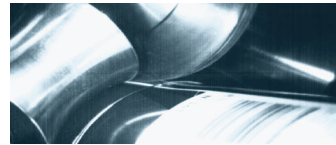
Stand-alone Operation

The MOTIONeer's internal battery provides up to 30 minutes of standalone operation and up to 6 hours in standby mode. Since the MOTIONeer is self-contained (no bulky processor or tethered cables to contend with) the only connection required is a trigger signal. Simply program the MOTIONeer (computer connected via FireWire), disconnect the computer and wait for the trigger signal to capture the event. After the event, re-connect the computer and the captured sequences can be played back in slow motion and finally stored on the hard disk in selectable file formats.

Electric power tool

Can manufacturing

Compressor valve

MOTIONeer – Specs

Resolution	1280 x 1024 Pixel (8 bit mono or 24 bit color)
Speed	62 to 32,000 fps
Exposure Rates	Global Electronic Shutter from 4 μsec to 1/frame
File-Formats	AVI format and Raw datas
Frame Storage	1'024 frames (2 sec. recording time with highest resolution; 4 sec. optional)
Power	12 VDC from standard Power Supply
Software	"Point and click" environment (Windows XP or 2000)
Lenses	Standard C-mount (1" format); incl. F-mount adapter; other adapters optional
Size	Camera 125 x 67 x 67 mm
Weight	Camera incl. Standard Battery 0.75 kg
Battery capacitiy	Recording mode up to 30 min / Standby mode up to 6 hours

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