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## **PROMON PC – the most compact high speed image streaming system - ideal for a wide range of applications**

### **Applications**

PROMON PC is the ideal compact high speed imaging system for:

- Industrial process monitoring
- Web inspection
- Surface inspection
- Flow analysis
- Medical imaging
- Material testing
- Sports / sport equipment analysis
- Motion analysis
- Installation, fine tuning, maintenance and trouble shooting on machines and systems

### **Unique features**

High image quality with a frame rate to record industrial processes. 200 frames per second is 8 times faster than video and allows you to monitor a process in detail.

Recording times of hours allow to record, analyse and archive a complete process for hours. Important to detect trends and to catch those sporadic and intermitted occurring incidents.

### **Why the PROMON PC?**

- Have high speed camera performance always at your finger tips by using your very own Laptop PC as the controller, plus the compact PROMON PRO camera module, interface and PROMON Studio software
- Economic high speed camera system with a short return of the initial investment. Keep your manufacturing processes under control and improve their performance
- Simple to use yet powerful system. Everybody can use it, from design engineers to maintenance technicians, no special training needed



PROMON PRO camera module (c-mount lens not included)



Mechanical engineering on an eccentric press



Industrial troubleshooting on a bottling line

Your local AOS partner:

Specifications are subject to change without prior notice – v10.2009



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## PROMON PC configurations

**PROMON PC** offers exceptional freedom in its configuration and consists of three system components:

- **AOS PROMON Studio Software:** control software to set up the camera parameters as well as to control the camera system functions
- **PROMON PRO:** Camera module with built-in rechargeable battery, control line circuitry and camera
- **Laptop PC:** customer's own laptop PC with camera interface (IEEE1394b) to run camera, to store the image data in its DRAM as well as to download sequences to its hard disk drive

Other systems and customized configurations are available on request

## Accessories

AOS offers a wide range of carefully selected accessories to make the PROMON PC even more versatile:

- lenses
- LED light (red for monochrome cameras, white for color cameras)
- Magic arm and tripod camera mounts
- Cables, data interfaces
- Cases for easy transportation and storage

Other accessories on request.

AOS provides also customized PROMON systems with functions, features and components especially selected and designed for your application. Integration into existing vision systems is also possible.

## Services

AOS offers not only cameras and accessories, but services from feasibility studies to installation:

- Feasibility studies
- System design
- Integration into existing vision systems
- Installation
- Training

## Technical key specifications

<b>Frame rates and resolution</b>	200fps @ 640 x 480 pixels (VGA)
<b>Recording time</b>	20 seconds (longer at reduced frame rates resp. resolution)
<b>Camera specification (standard)</b>	1/3" CCD sensor 640 x 480 pixels (other camera specs)
<b>Control PC (min. specifications)</b>	Approx. 3 hours
<b>Data Interface Camera – PC</b>	IEEE1394b (Firewire b)
<b>Camera module size</b>	Gigabit Ethernet
<b>System weight (complete)</b>	Approx. 18 kg