



PRODUCT LEAFLET

TECHNICAL SPECS

APPLICATION NOTE

PROMON HD2 – the complete, ready to use high speed image streaming system for industrial troubleshooting

Applications

PROMON HD2 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

Why the PROMON HD2?

- Complete, all-inclusive camera system. Lunchbox PC, camera, lens, light, tripod, even a trolley is included. Always ready to be used, ready to recording within minutes
- 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

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.

PROMON HD2 can be equipped with additional cameras for 3D motion analysis or to monitor a process with cameras positioned at different stages

Image trigger – extend the versatility of your PROMON by letting the camera trigger the system when an incident is visually detected



PROMON PRO camera module



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



AOS Technologies AG, Taefernstrasse 20,
CH-5405 Baden-Daettwil
Tel. +41 (56) 483 3488, Fax + 41 (56) 483 3489
info@aostechnologies.com
www.aostechnologies.com

Versions

- **PROMON HD2:** complete, all-inclusive system for industrial troubleshooting with hours of recording time
 - **PROMON HD:** hours of recording time, same performance as the PROMON HD2, but made for permanent installation
 - **PROMON PC:** high speed recording for 12 seconds with your Laptop PC
- Other systems and customized configurations are available on request

Accessories

The PROMON HD2 comes complete with all necessary accessories:

- PROMON PRO camera module
- lens (12.5mm)
- LED light (red for monochrome cameras, white for color cameras)
- Magic arm camera mount
- All cables, power supplies etc.
- Trolley for easy transportation and storage

Other accessories like optical systems (i.e. borescopes), lights, transport cases 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.

Options

The modular PROMON platform offers many optional features, like

- additional disc capacity for extended recording time
- sunlight readable display
- battery packs for autonomous operation
- multi-camera system (up to 4 cameras)
- data interfaces, incl. fibre-optics

Technical key specifications

Image resolution (standard)	640 x 480 pixels, mono or color
System performance (standard)	1 camera with 200 fps, or 2 cameras with 100 fps/each
System performance (with 2nd IEEE-card, optional)	2 camera with 200 fps/each, or 4 cameras with 100 fps/each
Recording time (standard)	Approx. 3 hours
Data Interface Camera – PC	IEEE1394b (Firewire b)
Data Interface PC – LAN	Gigabit Ethernet
System weight (complete)	Approx. 18 kg