



AOS
Technologies AG

PROMON Mobile - video on PC

- up to 1100 frames/sec
- directly to **YOUR PC**
- no guessworking during installation



PRODUCT LEAFLET

TECHNICAL SPECS

APPLICATION NOTE

PROMON Mobile – technology to record high speed video on PC

PC-based video recording system with 1...1100 frames/sec for industrial process analysis and line inspection.

Applications

High speed image recording with PROMON Mobile is ideal for:

- Industrial process monitoring
- Web inspection
- Surface inspection
- Medical imaging
- Material testings
- Motion analysis
- Installation, fine tuning, maintenance and trouble shooting on machines and systems

Why PROMON Mobile?

- The PROMON Mobile is the ideal package to setup easily a video recording system. It includes a robust camera module, the powerful AOS PROMON Studio software and accessories like cables and power supply. It can be installed on portable computers (Notebooks, Laptops or Tablet-PCs) as a portable high speed camera system for troubleshooting and maintenance jobs. On (semi-)stationary PCs like Desktop- or Lunchbox-PCs, it is ideal for temporary or permanent line inspections.

Unique features

- Install PROMON Mobile on your existing PC
- Choose from various camera modules for a best fit to your applications
- Each PC can operate 1 camera
- Image sequences are stored in the PCs dynamic memory and can be reviewed instantly for motion analysis. Relevant image sequences can be transferred in standard AVI data format to the PCs hard disk drive.
- Analyse fast movements and events in ultra slow motion - frame by frame
- Your PROMON system can be upgraded to meet future requirements (i.e. multiple cameras, long time recording) - your initial investment is therefore never lost.

Ready to use system

- For an immediate start, and ideal for industrial troubleshooting and maintenance, the PROMON SCOPE offers unmatched benefits. Refer to its product leaflet for details:



- PROMON SCOPE:
- ready-to-use system
 - 40 minutes capacity
 - Battery powered
 - Touchscreen operation



PROMON 300 Cameramodul (lens not included)



PROMON 500 Cameramodul (lens not included)

PROMON 300 and 500 camera modules

Both camera modules feature a robust all-aluminium housing for high reliability and long product life. They share these specifications:

Data Interface	Gigabit Ethernet ("GigE")
max. distance camera - host PC	100m (300 feet)
Supply power	12VDC via external power supply
I/O connectors	Hirose (I/O signals, power), RJ45 (Data)

Individual specifications of the camera modules:

	PROMON 300	PROMON 500
Frame at VGA (640x480)	300fps	500fps
Alternative frame rates	1'000fps (160 x 120 pixels) 600fps (320 x 240 pixels)	1'100Bps (544 x 272 pixels) 375Bps (800 x 600 pixels) 200Bps (1280 x 720 pixels) 100Bps (1280 x 1024 pixels)
Sensor (type, size)	color or mono, 1/3"	mono, 2/3"
Size / weight (w/o lens)	44 x 29 x 67mm / 0.12 kg	52 x 52 x 64mm / 0.34kg

* frame rate depends also on PC performance and system settings

AOS PROMON Studio 'Mobile' software

The AOS PROMON Studio 'Mobile' software allows a fast and simple setup of your high speed camera system.

	Notebook-, Laptop- and Tablet-PC	Desktop-, Tower- and Lunchbox PC
Camera modules	PROMON 300 PROMON 500	PROMON 300 PROMON 500
No. of cameras / system	1	up to 4 (opt.)
Recording to DRAM	yes 8 secs (300fps@VGA)*	yes 4.5 secs (500fps@VGA)*
Streaming to HDD/SSD	possible** (functionality and performance depending on PC and its settings)	yes 130 min @ 300fps/VGA * 80 min @ 500fps/VGA *

* the indicated sequence length can be extended by reducing the frame rate resp. image resolution

** no guarantee of the achievable frame rate can be given; nor for recording without loosing images

Minimal system requirements

min. system requirements	supporting Jumbo frames (9k or higher)
min. DRAM capacity	2GByte
Data interface	Gigabit Ethernet, 1 free card slot (Express)
Supported operating systems	MS Windows XP (32bit), Win7 (32bit)

please inquire for the complete minimal system requirements

Scope of supply

The PROMON Mobile package includes:

- Camera module (PROMON 300 or PROMON 500, to be specified on the PO)
- AOS PROMON Studio Mobile software (on CD), incl. Dongle key
- Data cable (5m), GigE adapter, power supply, Pigtail cable (Hirose - DC in, Trigger)
- Manual in English
- Installation support is available against a fee (inquire for details)

Your local AOS partner::

Specifications are subject to change without prior notice – v03.2012



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