

MotionPro™ X3

Light sensitive and high resolution Highspeed Camera System



SnapShot

- Sensor-gain, binning and XDR (Extended Dynamic Range)
- Shutter up to 100 ns in „Double Exposure Mode“
- FlexROI™ Configurable Region of Interest
- Flexible plug-ins (LabVIEW™, MATLAB®, Twain, SDK) under Windows and MAC/OS
- Analog video output (PAL/NTSC)

- 1280 x 1024 pixels at 1040 frames/second
- Maximum 64'000 frames/second

Target Makets

- Maintenance / Field Service
- R&D / Testing
- Machinery Construction
- Production / Packaging
- Biomechanics / Sports
- Digital Cinema

Examples for Resolution / Frame Rate / Recording Time

Resolution	Frame Rate	Plus Mode*	Standard 4 GB
1280 x 1024	1'000 fps	2'000 fps	3.27 s
1280 x 768	1'300 fps	2'600 fps	3.27 s
1280 x 512	2'000 fps	4'000 fps	3.27 s
1280 x 256	4'000 fps	8'000 fps	3.27 s
1280 x 128	8'000 fps	16'000 fps	3.27 s
1280 x 64	16'000 fps	32'000 fps	3.27 s
1280 x 32	32'000 fps	64'000 fps	3.27 s
1280 x 16	64'000 fps	128'000 fps	3.27 s

The sensor resolution is horizontally and vertically adjustable. It is possible to increase the recording time by reducing the resolution.

Our Partner



MotionPro™ X3 – Specifications

Image Resolution	max. 1280 x 1024
Max. Frame Rate at Full Res.	1040 fps
Pixel Size	12µm x 12µm, color and monochrome
Dynamic Range	10 Bit (Sensor ADC), 59 dB
Frame Storage	4 GB
Configurable Binning	1x1, 2x2, 3x3, 4x4
Shutter	Global Electronic Shutter, 1 microsecond minimum exposure 100 nanoseconds frame interval in double exposure mode
Tigger Frame	Variable position from start to the max. available frame capacity
Trigger Mode	CMOS level (3.3v) via BNC connectors
Lens Mount	C-Mount, (F-Mount optional)
Camera Size and Weight	95 x 95 x 162mm, 1.9kg
Camera to PC Interface	USB 2.0 or USB 2.0 & Gigabit Ethernet (optional)
Synchronization	All cameras are synchronized with each other using an external sync pulse on 3.3v CMOS BNC connector
Control Software	X-Studio, Windows XP / Vista / 7, Mac OS X (10.3 or later, GigE not supported under Mac)
Image Processing Algorithms	Binning, filtering, advance color control and programmable LUT
File Formats	TIFF, BMP, PNG, MRF, AVI, BLD, MPEG, and MOV (Mac only)
Emission/Safety	CE approved, FCC Class B compliant, UL listed
PC requirements	Windows XP / Vista / 7, min. 1 GB RAM, 1280 x 1024 Display, 32 MB Graphic Memory, 60 GB Hard Drive, 1 GigE Interface
Options	
Sensor Data Acquisition	MotionPro™ DAS, MiDAS DA
Motion Analysis Software	ProAnalyst,
Accessories	HS Timing Hub USB Repeater Highspeed Lenses, Lightings, Tripods, Carry bags and cases

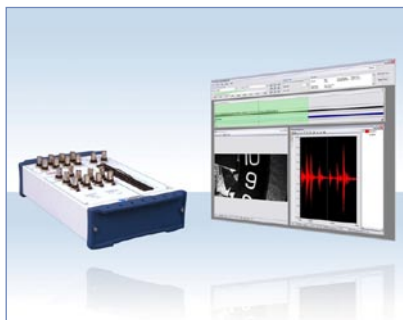
Version: 20.10

Note: Specs are subject to change at any time.

Accessories



Sensor Data Acquisition



Motion Analysis Software

