

High Speed Hard Disk Image Recorder MotionBLITZ[®] LTR

No Details Missed - Full Length High Speed Recording

- 1,3 Mega Pixel @ 140 MB/s - directly on HDD
- 100 full frames per second (fps)
- Up to 4.000 fps by scaleable RoI
- Lossless high speed recording
- 640 GB HDD for 1 hour recording and more
- Scaleable data storage capacity
- BMP or AVI format storage
- Small high speed camera head



Detects Hidden Events: Consistent Long Time Recording

The moments that count are often enough resistant to advance trigger setup. Or they are too numerous for even multiple triggering potentials of a common high speed system.

The **MotionBLITZ[®] LTR** long time recording system allows high speed image / sequence recording up to one hour, and even more, writing directly on hard disk at up to 4.000 frames per second. Not a single moment is missed, as the Mikrotron-developed **MotionBLITZ[®] LTDirector** raid software provides lossless performance even at high frame rates. An indispensable request, as any detail of a process may be the important one.

High Speed, Directly Transferred to Hard Disk

The **MotionBLITZ[®] LTR** transfer rate of 130 MB/s directly to the hard disk system equals to approximately 100 frames per second at full 1280 x 1024 resolution. 4 hard disks of 640 GB in total provide space for your complete process recording. If more is required, MotionBLITZ[®] LTR storage capacity is almost arbitrarily scaleable.

Non-Compressed Image Storage with Additional Information

For detailed analysis, original images are essential. Compression of images may falsify results, as the image's decisive information may get lost. **MotionBLITZ[®] LTR** provides real time storage of non-compressed images, keeping the full information for analysis. Furthermore, features as the 32-Bit image counter, or the I/O image signal function, facilitate fast and automatic analysis of a long time recording.

Insights, captured lossless and detailed, as no other technology can provide: MotionBLITZ[®] LTR

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Technical Specifications

Hardware

- 19" ATX-PC with INTEL Core2 Duo 1,9GHz
- 2GB DDR RAM, 160 GB system hard disk
- 640 GB RAID hard disk system (scaleable on request)
- DVD-writer
- INSPECTA-5 PCI-X Full frame grabber
- MikroCam 500 high speed camera, 1280 x 1024 CMOS sensor, Full Camera Link[®] interface
5m Camera Link cable, camera power supply

Software

- Windows XP[™] Professional
- MotionBLITZ[®] LTDirector camera operating software

Recording

- Scaleable RoI
- Frame rate: 18 – 4.000 frames per second
- External triggering/synchronisation
- Inputs: Full Camera[®] Link
- Image storage: BMP or AVI format
- 32 Bit image counter
- Integrated I/O signals



Recording Data

Transfer Rate / Hard Disk Capacity	Resolution	Max. fps	Max. Images	Max. Recording Time
140 Mbyte/sec / 640 GB	1280x1024	100	457.763	76 min.
	960x1024	130	610.351	101 min.
	750X568	345	1.408.450	234 min.
	640x480	479	1.953.125	325 min.
	640x200	1.148	4.687.500	781 min.

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