

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

High Speed Hard Disk Image Recorder MotionBLITZ[®] LTR

Technical Specifications

Hardware - Standard

- 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 camera 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: Base Camera Link, 4 x binary (incl.trigger)
- 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	112	457.763	76 min.
	960x1024	150	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.

All trademarks are properties of their respective owners. Mikrotron reserves the right of change without notice. Mikrotron is not liable for harm or damage incurred by information contained in this document.

© Mikrotron, 02.03.2007, Rev. 1.1