



# MotionBLITZ® LTR L-Series

Long Time Recording Systems



## MotionBLITZ® LTR L-Series Advantages at a Glance:

- Fully integrated high-speed recording system
- Adjustable frame rate up to 20,000 fps
- More than two hours of recording time
- Remote head for easy placement
- All video securely stored for immediate access

## MotionBLITZ® Director2 Software Features:

- Flexible and easy to use
- Direct access to all camera features
- Extensive marker and comment functions
- Multiple export options to stills and video formats
- ImageBLITZ® automatic trigger
- I/O management for trigger and marker
- Image processing functions

## Continuous Monitoring for Optimizing Procedures

To capture multiple events and analyze changes over a longer period of time, the MIKROTRON MotionBLITZ® LTR Long Time Recorders allow detailed insights into fast processes – not only for a couple of seconds, but also for more than two hours. Long-term processes, whole series of tests and unexpected events or very fast successive single events can be recorded in their entirety at full resolution. The unique combination of high-speed and long time recording provides a tremendous amount of data for further analysis. The recorded images are stored directly on a RAID protected drive array, therefore eliminating any download times. All material is immediately available for further processing after the recording has finished.

## FIELDS OF APPLICATION

### Application Examples

- Production environment
- Industrial
- Machine optimization
- Scientific tests
- Animal studies
- Sports



### Tasks at a Glance

- Process monitoring
- Trouble shooting
- Rapid event capturing
- Sport analyses
- Assembling stations
- Long time analyses
- Monitoring of handling processes



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**Technical Data**

(More detailed specifications are available on request)

	MotionBLITZ® LTR L-Series	
	Portable (PSL)	Desktop (SSL)
Camera	EoSens® CL (MC1362) (monochrome)	
Image speed	Up to 253 frames per second at 1,280 (H) x 1,024 (V) pixels resolution, (8-bit)	
Light sensitivity	2,500 ASA monochrome, 2,000 ASA RGB	
Lens mount	C-Mount	
Digital input	8 channels with optocouplers (TTL)	
Synchronisation	in- and output to synchronize multiple systems or trigger any external devices (5V TTL) alternative ARM output (recording state)	
Power supply	100 – 240 V, 50 – 60 Hz	
Operating temperature	+5 ... 35 °C	
Camera-PC interface	Full CameraLink®	
Camera size	63 x 63 x 47 mm (C-Mount), 63 x 63 x 74 mm (F-Mount)	
	DVD-writer, USB 3.0, eSATA, Gigabit Ethernet interfaces	
<b>Recording times</b>		
46 min	S	S
90 min	O	O
110 min	-	O
170 min	O	-
<b>Camera cable lengths</b>		
5 m		S
8 m		O
<b>Optional extensions</b>		
EoSens® CL color (MC1363)		O
F-Mount		O
ImageBLITZ® Automatic Trigger		O
Non moving parts		O
Housing size	44 x 35 x 24 cm	36 x 36 x 16 cm
Housing weight	17 kg	11 kg
Display size	17"	
<b>Resolution and corresponding frame rate</b>		
1,280 x 1,024		253 fps
1,280 x 720		350 fps
1,024 x 768		400 fps
800 x 600		620 fps
640 x 480		930 fps
480 x 320		1,710 fps
320 x 240		2,830 fps
160 x 100		8,800 fps

S = Standard; O = Optional; - = not available; fps = frames per second

**MIKROTRON GmbH**

MIKROTRON GmbH provides a full range of high-speed imaging solutions for challenging applications in industry, engineering, science and sports. The company's extreme slow-motion recording solutions enable customers to optimize manufacturing processes, improve product design, revolutionize quality management and analyze motion.

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