

# 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





















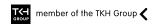
#### Tasks at a Glance

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











#### **Technical Data**

(More detailed specifications are available on request)

	MotionBLITZ® LTR L-Series	
	Portable (PSL)	Desktop (SSL)
Camera	EoSens® CL (MC1362) (monochrome)	
lmage 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
Recording times		
46 min	S	S
90 min	0	0
110 min	-	0
170 min	0	- -
Camera cable lenghts	,	
5 m	S	
8 m	0	
Optional extensions		
Eo <i>Sens</i> ® CL color (MC1363)	0	
F-Mount	0	
ImageBLITZ® Automatic Trigger	0	
Non moving parts	0	
Housing size	44 x 35 x 24 cm	36 x 36 x 16 cm
Housing weight	17 kg	11 kg
Display size	17 kg 17"	
Resolution and corresponding frame	rate	
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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