

MotionBLITZ® LTR L-Series

Long Time Recording Systems



EoSens

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



member of the TKH Group <

MIKROTRON
High-Speed Vision Solutions

**Instrumentation
Devices**

Instrumentation Devices Srl

Via Acquanera 29 - 22100 COMO (Italy)

ph +39 031 525 391- fax +39 031 507 984

info@instrumentation.it - www.instrumentation.it

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	

Recording times

Recording time	Portable (PSL)	Desktop (SSL)
46 min	S	S
90 min	O	O
110 min	-	O
170 min	O	-

Camera cable lengths

Cable length	Portable (PSL)	Desktop (SSL)
5 m		S
8 m		O

Optional extensions

Extension	Portable (PSL)	Desktop (SSL)
EoSens® CL color (MC1363)		O
F-Mount		O
ImageBLITZ® Automatic Trigger		O
Non moving parts		O

Parameter	Portable (PSL)	Desktop (SSL)
Housing size	44 x 35 x 24 cm	36 x 36 x 16 cm
Housing weight	17 kg	11 kg
Display size	17"	

Resolution and corresponding frame rate

Resolution	Frame rate (fps)
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

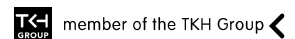
S = Standard; O = Optional; - = not available; fps = frames per second

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.

Germany
Landshuter Str. 20-22
85716 Unterschleissheim
+49(0)89-726342-00
info@mikrotron.de
www.mikrotron.de

North America
12172 Caddy Row, Ste. 100
San Diego, CA 92128 - USA
+1(0)858-521-0496
steve.ferrell@mikrotron.de
www.mikrotron.de/en



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.



Instrumentation Devices Srl
Via Acquanera 29 - 22100 COMO (Italy)
ph +39 031 525 391- fax +39 031 507 984
info@instrumentation.it - www.instrumentation.it