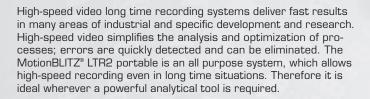


MotionBLITZ® LTR2 portable Long Time Recording System

High-Speed long time recording up to 16 hours at VGA resolution

- Complete system for long time recording applications
- Mobile use with a compact systemhousing of 44 x 35 x 24 cm (incl. display)
- Up to 55 minutes recording time at full speed and full resolution
- Up to 120 frames per second at 1,696 (H) x 1,710 (V) pixels resolution - MC 3010/11
- Up to 250 frames per second at 1,280 (H) x 1,024 (V) pixels resolution - MC 1362/63
- Maximum photo sensitivity: 2,500 ASA monochrome, 2,000 ASA RGB (MC 1362/63)
- Stepless adjustable frame rate up to 35,000 frames per second at reduced resolution
- Lossless recording without compression
- Windows® 7 based Director2 operator software
- Image storage in BMP, JPG, TIFF, AVI, DNG, PNG and DAT (Mikrotron proprietary raw) file format
- Quad Mode: 4 x speed or recording time (not available for MC 3010/11)



Analysis of fast moving and continuing events

- Movement of fast running machine parts testing
- Optimization of production machines
- Process testing
- Ballistic trajectory analysis
- Motion analysis
- Quality control, quality assurance





Flexible and easy use

The MotionBLITZ® Director2 operator software allows user defined adjusting of window size and frame rate. Thereby the system can be easily adapted for any specific need. The required Rol can be defined by using the mouse. At the same time the system indicates the maximum resulting frame rate. Different, user defined camera settings can be stored. The MotionBLITZ® Director2 software allows cutting and converting of the recorded images.

Triggered recording with history function

The Ring Buffer allows buffering of triggered events up to 55 minutes at full resolution and speed. The history function allows pre and post event recording through free selection of frames or recording time. Triggering via external signal.

Dynamic Range Adjustment

The camera's Dynamic Range Adjustment feature allows to change the CMOS sensor's linear transfer characteristic into a non-linear one. Thus, the camera provides clear details even at extreme dark/light contrasts.

Marker function

With the Director2 marker function it is possible to set a marker in each frame. The marker is an external signal from a switch or a machine signal. The specifically marked frames can easily be accessed after the record.

ImageBLITZ® Automatic Trigger

The ImageBLITZ® Automatic Trigger allows objectdriven triggering directly through the camera by a selectable image region. This image area can be adjusted as trigger sensor. If there is a change in the lightness (on single frame level), the camera will trigger automatically.

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Standard Equipment

- Camera MC 1362
- portable PC
- Director2 operator software
- 2 x 5 m Camera Link cable
- 5 m power cable
- 55 min recording time
- external trigger interface
- 1.0 TB additional internal storage space
- carrying case with wheels and pull handle

Optional Extensions

- Color camera (RGB)
- Camera with 3 MP resolution (MC 3010/11)
- F-Mount lens mount
- 10 m camera cable (via Copper)
- up to 1,000 m via Fiber Link
- SSD (Solid State Drive)
- Remote Access
- 110 min recording time
- ImageBLITZ® Automatic Trigger

MotionBLITZ® Director2 software features

- storable camera settings
- 8 free selectable I/O s
- gamma correction
- free adjustable grid
- RGB color picker
- selectable marking lines
- multisequence recording, external triggered
- several LTR2 adapted to synchronization
- Burst Trigger Mode
- Dynamic Range Adjustment
- Quad Mode (not available for MC 3010/11)

Comparison of resolution and recording times of MC 1362/63 without/with Quad Mode

Resolution	Frame Rate	Recording Time	Quad Mode
1,280 (H) x 1,024 (V)	250	55 min	-
	250	3 hr 43 min	✓
	868	1 hr 05 min	V
1,040 (H) x 640 (V)	480	57 min	-
	1,378	1 hr 12 min	V
800 (H) x 600 (V)	629	60 min	-
	1,468	1 hr 44 min	V
	1,000	2 hr 32 min	V
	500	5 hr 05 min	V
640 (H) x 480 (V)	935	1 hr 03 min	-
	1,824	2 hr 10 min	✓
	1,000	3 hr 58 min	✓
	500	7 hr 57 min	✓
	250	15 hr 55 min	V

Alternative MC 3010/11 (no Quad mode available):

1696 (H) x 1710 (V) at 120 fps with 55 minutes recording time

The data refer to standard memory size.

* fps = frames per second

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