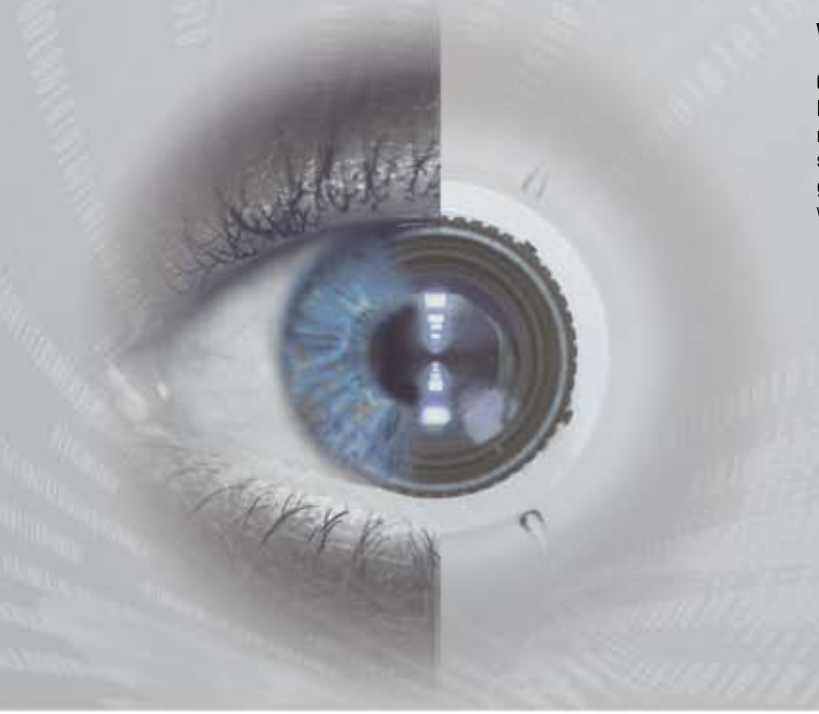
# *The Overall System for Everywhere*

- **Portable Case Unit for Mobile Application**
- **Separate MicroCam Camera Head**
- **Small and Fast Exchangeable**
- **For Restricted Access Recording**
- **For Hazardous Environment Recording**
- **Shock Proof up to 70G**
- **Variable Frame Rate 18 to 30,000 Frames per Second**
- **Variable Resolution from 160(H) x 10(V) to 1,280(H) x 1,024(V) Pixel**
- **1,5 sec. Recording Time at 500 fps* & Full Resolution**
- **Quick Setup & Recording, Easy Editing & Export**
- **Single Images in BMP & AVI Format**

**Visualize the Invisible**

A picture tells a story. What do 500 pictures tell about a second's event? Modern machines and production processes are too fast for visual analysis with the naked human eye. High speed video slows a second down to a minute – providing insight that helps to immediately understand what's going on. No more guessing and trying.

See – know – act …and win. Slow motion provides competitive advantages through faster, better understanding of fast processes. Faster progress is seen in R&D, engineering, production, quality assurance and maintenance. Even nature has much to offer in slow motion: Sports, ergonomics, medicine, bionics can benefit from High Speed Video.



**MikroCam captures it … everywhere**

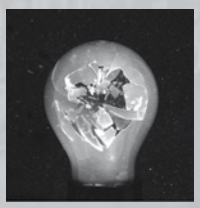
1,3 megapixel images captured 500 times a second bring clarity to any natural or artificial dynamic event. Much higher speeds can be achieved by reducing image size. Hazardous environments? 70-G shock-proof MikroCam lends itself to recording blasts or crash tests aboard the crash object, without risk of losing images nor of the whole unit.

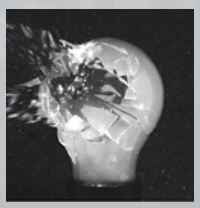
**Flexible in Resolution and Speed**

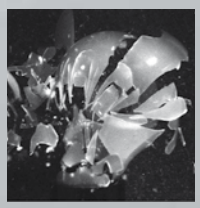
Free selection of RoI (Region of Interest) and frame rate enables the system to flexibly match any given recording situation. A few mouse clicks let you adjust the image sector to capture just as much as you need, at the required speed to see it sharp. A background maximizer calculates and sets best speed per RoI-size or best RoI per selected speed.

**What happened before? - History Function**

Once started, the system records continuously to the image FIFO-buffer. The trigger signal starts the finishing process of the recording sequence. The history function lets the buffer keep a set number of frames in memory and fill the rest with post-trigger recording. Thus you can learn what made things happen that way. History size can be set from 0 to 100% of recording time.







**Special Electronics**
**Image Processing**
**Digital SlowMotion**

MIKROTRON

# Specification:

## Mobile PC in a robust light-metal case

| |
|---|
| Image Buffer for 1,5 sec. Full-Image Recording |
| 15“ TFT color display |
| 80 GB Harddisk |
| DVD recorder, 3,5” Floppy Drive |
| 1x Serial, 1x Parallel, 3x USB 2.0 Interfaces |
| Ethernet PC-to-Network Interface |
| Windows™XP Professional, Multi-lingual |
| MotionBLITZ® Director for Setup, Control, Analysis, Editing and Export of Slow Motion Videos |
| High Speed MikroCam in Monochrome or Color |
| Lenses at Own Option, C or F Mount |
| 15 ft. or 30 ft. Camera Link® Camera Cable |

| Frame Memory | Frame Rate | Resolution | Recording time at 1,280(H) x1,024(V) and 500 fps* |
|---|---|---|---|
| 1 GByte | 18...500 fps* at full resolution | 1,280(H) x 1,024(V) Pixels | 1.5 sec. |
| | up to 30,000 fps* at reduced resolution | down to 160(H) x 10(V) free selectable | |

*fps: frames per second

## MotionBLITZ® Director

A powerful and easy-to-operate user interface for all MotionBLITZ® products. Setting up camera and scenery, adjust RoI, select recording speed – and go.
After recording, review the sequence, mark what is important and save it to images or videos for anyone else’s review. Save to DVD or network drive - or just see, understand and fix it.

Whatever your job or intention is, MotionBLITZ® Director and a capable MotionBLITZ® recording system will make your job easier.

## Accessories (optional):

- Lighting: Film lights, cold light sources, LED lighting
- Objective Lenses: Standard lenses in C-Mount and F-Mount, special lenses according to your individual needs
- Camera Stands: Robust tripods, flexible multi-purpose camera arms and specialties
- Camera Extension: For distances exceeding 10m/30ft, fiberoptic extensions up to 1,000m / 3,000 ft are available

Date: 09/2006