

SPEEDCAM

MotionBLITZ®



On the track of ultra-fast phenomena

Regardless of whether you work in production, quality assurance or the sectors of research and development: the compact, extremely rugged and worldwide-tested *SpeedCam MotionBLITZ®* high-speed camera system makes crucial moments visible. Ultra-fast sequences and even explosive phenomena no longer remain hidden. What appears to be invisible becomes tangible.

As a masterpiece of visual, high-speed image recording, the *SpeedCam MotionBLITZ®* embodies a professional solution representing unparalleled value for money and a previously unattained combination of functionality, quality and performance. Go for it.

- **Speed**
(up to 4,000 frames per second)
- **Maximum resolution**
- **Extremely easy operation**
- **Unique trigger options**
- **Compact size**



WEINBERGER
empowers your vision

Make high-speed worlds visible with slow motion play back

Modern production processes are becoming faster all the time and the demands made of analysis systems in the sectors of quality assurance, research and development are becoming more and more complex.

Regardless of what work you do: *Speed-Cam MotionBLITZ®* gives you unerring sight. Catch those crucial moments:

Production and quality assurance

- Analysis of faults on machines in the production process
- Analysis and optimization of production machines
- Analysis of the movement of machine parts

Research

- Analysis of chemical reactions
- Analysis of biomechanical experiments
- Analysis of physical phenomena
- Sequences of movement in sports and medicine

(Product) development

- Material inspections
- Batch testing/inspection and quality control
- Shock, vibration and drop analyses
- Injection and tensile strength tests

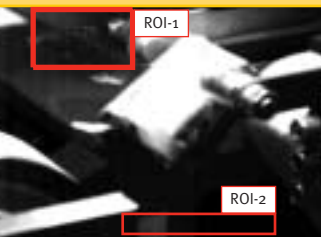


Performance features to benefit you

The unique synthesis of state-of-the-art camera technology, future-oriented architecture, high resolution CMOS sensor technology and high quality, high tech craftsmanship has been impressively incorporated into the *MotionBLITZ®* by Weinberger. It is no wonder that the state-of-the-art camera has been rated the «best in its class».

Some of the convincing highlights of the *SpeedCam MotionBLITZ®* are listed below:

- Variable recording rates from 70 to 4,000 frames per second
- Highly-precise CMOS image sensor with a resolution of up to 1,280 x 1,024 pixels
- Logically gated image triggers (up to three trigger events)
- In-picture subject metering
- Recording or display of external digital signals in the image
- Automated long-time exposures with (optional) Auto-Save function (up to several hours)
- Image storage either in BMP format or in AVI format
- Compact, light-weight, portable and rugged camera
- All-in solution, consisting of camera, industrial computer, analysis software and an extensive range of accessories

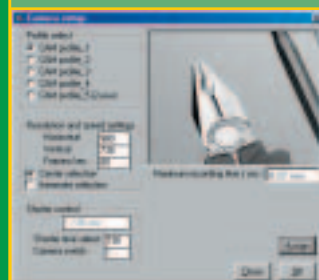


See what's happening – when it's happening

One special highlight of the *SpeedCam MotionBLITZ®* is an ultra-fast image trigger which does away with the need for complex light barriers and ensures that the required information is reliably recorded even in the case of sporadically occurring, slow phenomena.

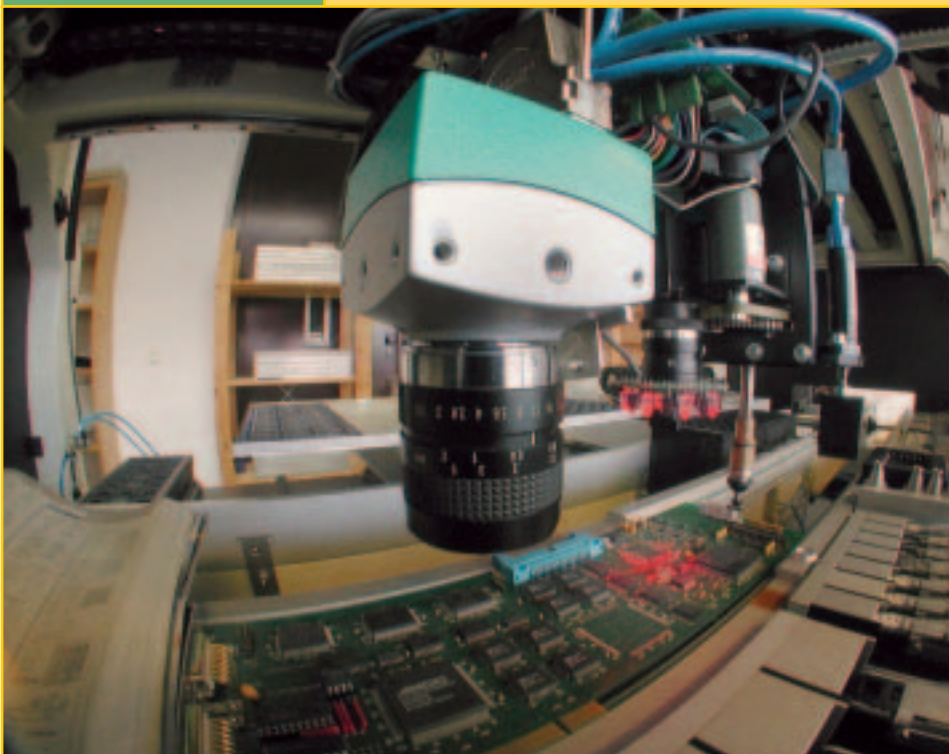
The unique image trigger allows you to set trigger points at any position in the image. If the image information changes within the marked position, the internal trigger logic automatically triggers an immediate image recording. Thanks to the integrated ring buffer, images can be recorded and analyzed both prior to and after the trigger event (pre-trigger and post-trigger).

The image trigger function is impressively convenient when defining the required trigger points. The relevant regions of interest can be viewed in the original image, marked with the mouse and defined as a trigger point. This simple and intuitive procedure allows fast and efficient integration of the *SpeedCam MotionBLITZ®* high-speed camera in all conceivable fields of application.



Resolution, speed and image size in harmony

Convenience in a multi-pack. Gone are the days in which defining image size, resolution and image data rate (recording speed) required complex calculations. Thanks to the free visual selection of the relevant region of interest (ROI), the *SpeedCam MotionBLITZ®* automatically adapts the resolution and image data rate to the relevant recording situation. Simply select the required region of interest with the mouse and the camera then immediately shows you the result and image rate. Do you want a different recording speed? It couldn't be simpler. Simply define the required value and the system automatically sets the appropriate maximum resolution.



The *SpeedCam MotionBLITZ®* high-speed camera proves that it is by far the best camera for recording ultra-fast phenomena with its impressive performance features.

Multi-pack highlights

Ready to go

Complete camera system, consisting of high-speed camera, mobile industrial PC and powerful software.

Efficiency included

Very easy installation, configuration and operation thanks to intuitive software with a whole host of unique features.

Unparalleled value for money

The best price-performance ratio to date, allowing even for limited budgets.

Intelligent image triggers

Ultra-fast image trigger does away with the need for complex light barriers. Individual trigger zones can be marked easily and directly with the mouse – and changes in the image content are automatically detected and recorded.

Long-time surveillance

The optional Auto-Save function allows automatic long-time storage over several hours (e.g. for automated test procedures by night).

External trigger signals

Extended trigger functions thanks to signal inputs and outputs – for Emergency-Stop and gating with other trigger signals for instance.

Simply more information

Display of additional information in the image (e.g. external data) simplifies subsequent image evaluation.

Total integration

Seamless transfer of the stored images and image sequences to external systems and applications – e.g. for evaluation of the image data in BMP or AVI format with existing image analysis tools.

Flexibility, professionalism and efficiency: added value for you.

Get a «new view on life». Get to see high-speed phenomena and benefit from the unique expert knowledge of Weinberger, your high-speed partner.

SpeedCam MotionBLITZ® – and your VISIONs become reality.

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