

Strobe-CAM | High Speed Events in Slow Motion Visual Vibration Analysis

The Strobe-CAM allows the slow motion visualizing of fast periodic movements like vibrations, rotations.

This Product is a modern variant of a Strobelight. The camera is precisely phase synchronized to the periodic event. An automatic phase sweep technique allows to record image sequences (AVI movies) of the deformation resp. movement.



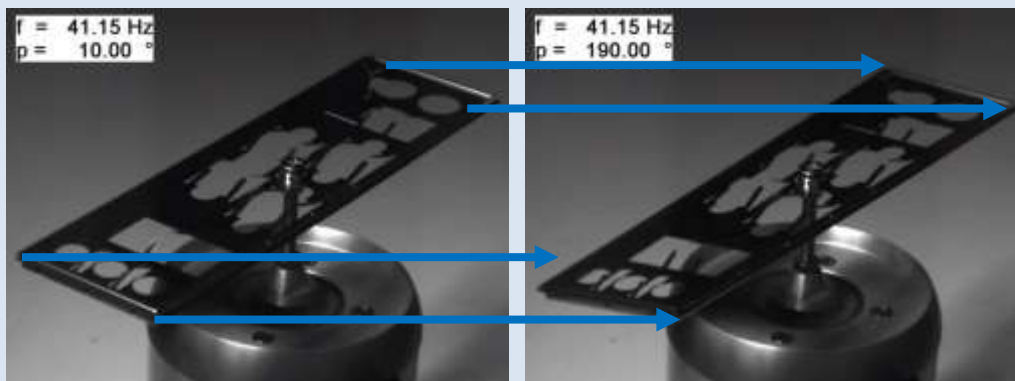
Applications

- Automatic measurement of frequency response curve
- Determination resonance frequency
- Non-contact inspection
- Component vibration test
- Environmental test
- Cyclic test
- Rotating objects

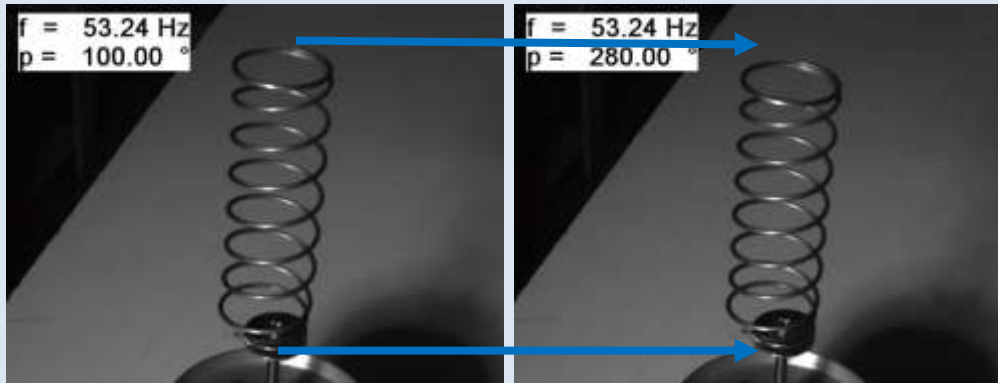
Benefits

- Process monitoring
- Events in slow motion
- Recording and Storage of video files
- 100% Compatible to shakers of B&K, LDS, Tira, etc.
- Low cost alternative to Highspeed cameras

Examples



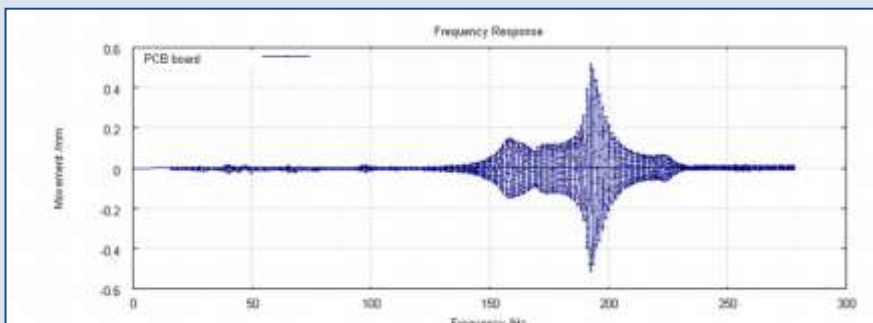
| Deformation of a connector board.



| Deformation of a spring at it's resonance frequency.



| Movement of electronic components on a PCB board.



| Automatic measurement of frequency response curve
--> Determination of resonance frequency = 192Hz.

Technical Specification

Suitable for:	Periodic Events, Vibrations, Rotations
Frequency	0,01 Hz to 50 kHz
Trigger Signal Input	Analogue or TTL
Camera resolution	0.3 MPixel to 5.0 MPixel
Lens adapter for	Zoom lense, Macro lens, Endoscope
Compatible to shakers of	B&K, LDS, Tira, etc.
Workstation	Laptop or Desktop PC
Field of view	< 1mm ² to > 1m ²