

# TroubleBox

TroubleBox is a high speed digital video recording system designed to significantly improve the accuracy of diagnostic analysis and maintenance operations in industrial applications.

TroubleBox is designed to continuously film industrial processes as well as specific areas of a production line.

TroubleBox's powerful algorithms continuously and automatically process and analyze every image frame, seeking a predefined trigger in the image in order to raise an alarm and capture the process events.

Through the capture of high speed events, users are able to closely examine a sequence, either frame by frame, or by using the slow motion playback mode in order to fully understand their high speed processes. This vital information allows them to optimize machine settings or to perform the necessary adjustments to their production line.

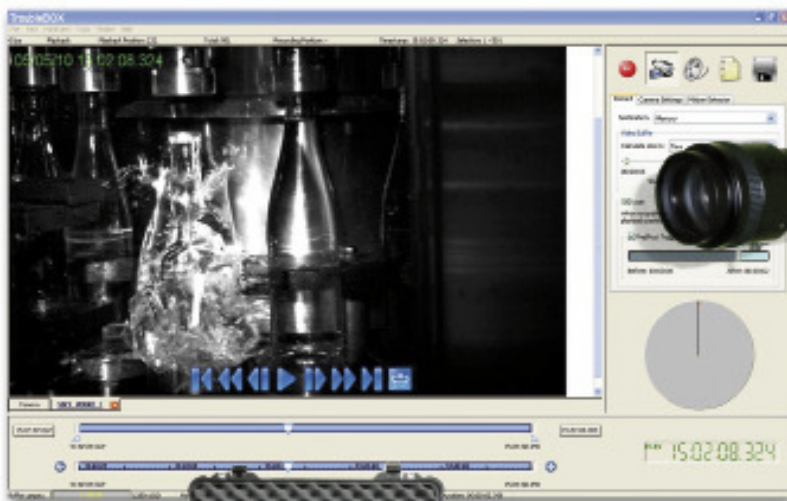
TroubleBox is simple to configure and can be seamlessly installed as a full time production line supervision system. A wide range of cameras and accessories enable TroubleBox to solve complex problems, whilst providing the versatility to operate in a wide field of applications.

## Key Features

- Precision documentation of high speed events
- Compact video recording system for industrial maintenance, scientific applications and outdoor applications
- Up to 500 images per second at a resolution of 1280x1024 pixels
- Easy to use Software for simple definition of trigger areas, recording settings and comfortable analysis of the captured imagery

## Your Benefit

- Complete Trouble-Shooting solution - perfectly matched Optics, Camera and Illumination combined with a flexible stand
- Easy to use and quick to set up
- Integration into Production Lines for permanent manufacturing supervision
- Reduction and prevention of manufacturing line failures, thus leading to increased production quality and yield



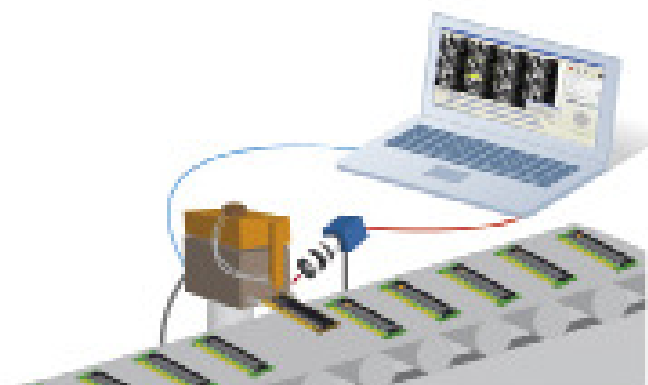
# TROUBLEBOX200 Portable solution for high speed video recording

## Advantages :

- Portable Et rugged
- Comprehensive range of accessories
- Modular and extendible
- 100% production supervision watchdog

## Triggering signal

- Module: Electric signal
- Manual: by user
- Automatic detection



## Record, playback and review simultaneously, export into:

- Images: .bmp, .tif, .jpeg...
- Video: .mov, .avi

TROUBLEBOX 200			TROUBLEBOX 500
100-TB200 (mono) 100-TB200C (colour)	100-TB200-PC (mono) 100-TB200C-PC (colour)	100-TB200-PCIP (mono) 100-TB200C-PCIP (colour)	100-TB500
PC Not included	incl. Laptop	incl. Ruggedised laptop	incl. Transportable PC
Camera mono or colour	Camera mono or colour	Camera mono or colour	monochrome
640 x 480 pixels at 264 im./s	640 x 480 pixels at 264 im./s	640 x 480 pixels at 264 im./s	1280 x 1024 px at 500 im./s
up to 1000 im./s	up to 1000 im./s	up to 1000 im./s	up to 120 000 im./s
-	Recording: 100 sec. in RAM	Recording: 100 sec. in RAM	Recording: 18 sec. in RAM
Special high speed illumination with LEDS 1400 lumens			
Continuously recording loops			
Autotriggering on event			
Record, playback and review simultaneously			
Bayer conversion and LUT			
Sequence deconstruction: frame by frame analysis			
Export in BMP, TIFF, multi TIFF, JPEG, PNG, FITS, AVI or MOV			
Delivered with accessories: photo support, fixation arm, I/O module			