

NEW




**See the essence right away
in real-time
with Cyclocam**





This patented innovation of the company Tesin is a unique and revolutionary solution for the detection of technical problems.

Compare the advantages of Cyclocam with those of existing systems

	Digital video camera	Traditional high speed camera	Cyclocam high speed camera	
Detection of problems	5%	92%	97%	
View directly and in real-time on the LCD-screen	NO	NO	YES	NEW UNIQUE
Selects the essential	NO	NO	YES ⁽¹⁾	NEW UNIQUE
Real-time functionality ⁽²⁾	NO	NO	YES	NEW UNIQUE
Fast and easy to use	YES	NO	YES ⁽³⁾	
Number of images/second	up to 24	up to 20.000	up to 20.000	
Price	cheap	very expensive	affordable	

- (1) Cyclocam captures thousands of images per second, but has the additional advantage of being able **to record only the most interesting parts of the cycle and filter out the other parts**. The most interesting parts can be viewed immediately in slow motion on the display of the camera.
- (2) **'Real-time'** means that **a fragment of the full cycle** can be displayed in slow motion during each cycle **by displaying the fragment during the time span of the full cycle** (versus "post-editing" for traditional high speed cameras).
Definition: real-time functionality. In industrial informatics a real-time system is a system that controls a physical process at a speed adapted to the evolution of the controlled process.
- (3) With Cyclocam the analysis is possible right next to the machine itself. The camera is placed on the machine and the images can be displayed directly onto the LCD-screen. With a traditional high speed camera, the process is much more complicated: all images must be photographed, stored and filtered in order to review them on a PC. That can only be done after the recording.

The plus points of Cyclocam in a nutshell view

- Exclusively designed for cyclical processes
- On-screen visualisation
- Selects the essential
- Real-time functionality
- Ease of use and mobility
- Reasonable price





Technical features

Dimensions	110 x 50 X 190 mm - 4,33" x 1,97" x 7,49" (h x d x w)
Image sensor	CMOS sensor VGA 640 x 480 pixels - effective pixel number: 8-bit pixel resolution in monochrome and 24-bit pixel resolution in colour
Display	145 mm (5,7") diagonal with VGA-resolution, 65536 colours
Shutter speed	1/image down to 20 microseconds
Recording rate	60 to 10.000 fps and more
Record time	Depending of memory size, chosen parameters and trigger mode : 5 - 1000 secondes
Memory	1, 2 or 4 Gigabyte
Camera mode	Viewfinder, record mode, rewind and real time high speed mode
Trigger	All typical modes (ROC, BROCC, ring memory) and real time high speed
I/O connectors	2 digital input, 1 digital output and 2 analog input
Export	100 Mbit/sec (optimised firmware/software gives a download of 10 Mb/sec)
Press buttons	6 menu driven function keys for general setting, 4-way cross keypad and 3 function keys for real time high speed
Battery	Lithium ion battery pack with internal charging circuit
Power supply	Includes 12V - 5A
Lens	Standard C-mount lens mount
Software	Cyclo Control Software to download and share images

Specifications subject to change without notice

Some customers of Tesin :

- Altachem
- Avery Dennison (LUX)
- Campina
- CNH Case New Holland R&D
- Coca-Cola (NL, BE,FR)
- DDH Packing
- Duracell
- Glaxo Smith Kline (DE)
- Godiva
- Materne Cofilux
- Palm
- Pfizer
- Tyco Electronics Raychem
- Unilin
- Universiteit Gent
- Quadrant CMS
- Weir Minerals (NL)

And of course many others.

You want to know more ?

For further information or a demo, please contact :

Tesin on **+32 9 248 00 86** or send an email to **info@tesin.be**

A demo is without any obligation, but gives you a clarifying look...

www.cyclocam.be



tesin
innovating measurement cameras

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