



Test & Measurement

OptoFidelity WatchDog

Automatic User Experience Tester

Optimize™ your measurements. Do you need to measure how quickly and repeatably information is presented to the end-user of your product or internet service? OptoFidelity WatchDog™ gives you means for fast and accurate timing measurements of visual events.

OptoFidelity WatchDog™ is a revolutionary measurement instrument based on video image analysis (Pat.pend.). Intelligent analysis SW detects events automatically from video image and generates reports including images and time stamps. Unlike traditional machine-vision solutions, OptoFidelity WatchDog™ does not require teaching and configuration. You don't need to teach WatchDog™ new tricks, it learns by itself.

R&D Process Acceleration

Throughout the R&D process it is crucial to verify product functionality from end-user perspective.

Through automation with OptoFidelity WatchDog™ engineering recourses can be focused on product development, not to manual repetitive tasks. Testing volumes can be increased and more valuable R&D time spent in analyzing results instead of configuring your test environment.

Benchmarking

Competitor analysis is an important tool in making decisions concerning e.g. product releases. Since OptoFidelity WatchDog™ does not require product-specific adjustment, it allows objective comparison against any product on the market out-of-the-box.

Quality of Experience

User opinion on a product is mostly based on the quality of experience perceived while using the product. High quality of experience in the released product is confirmed when user interface delays and latency times are continuously analyzed and optimized with OptoFidelity WatchDog™ during the whole R&D phase.

In addition to measuring user interface response times, OptoFidelity WatchDog™ can also objectively quantify user reaction time to information on the user interface. This makes it an invaluable addition to any usability expert's toolkit.

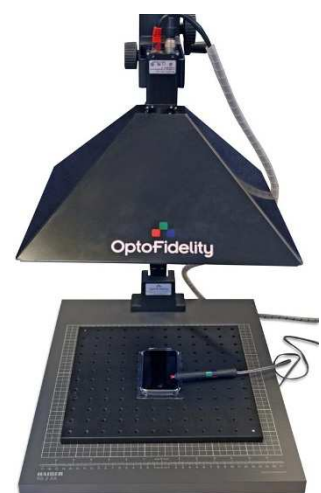


Test set up to measure operations from user interface.

BENEFITS

- > Self-learning
- > Objective
- > Repeatable
- > Accurate
- > Fast reporting
- > Easy benchmarking / competitor analysis
- > Faster R&D process
- > Measure Quality of Experience
- > Measure usability

Whatever your measurement needs are, OptoFidelity WatchDog gives you the competitive edge.



www.optofidelity.com

OptoFidelity Ltd. is a high-tech company focusing on optical test and measurement. OptoFidelity designs and supplies optical and camera-based test and measurement systems and services which help their customers shorten the R&D process times.





Test and Measurement

STANDARD TESTER

PC with WatchDog analysis SW and camera interface + monitor and keypad

PC Workstation or PXI-rack

Analysis SW with HTML report

Standard OptoFidelity Camera Sensor

Resolution 0,1 s

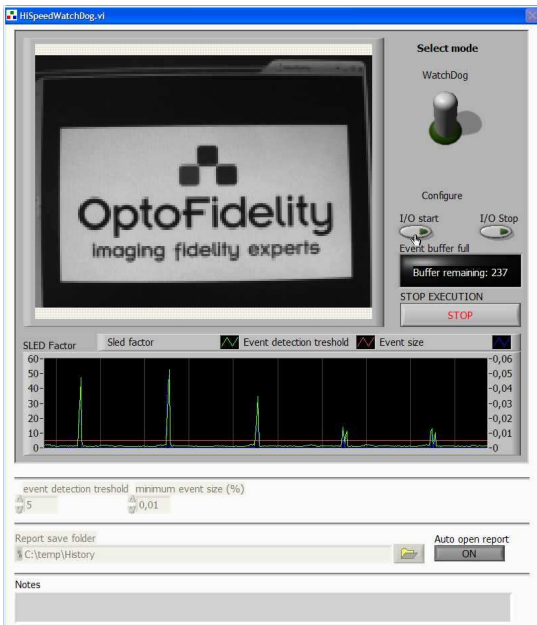
Trigger switch for non-touch DUT's

I/O unit for external trigger (start/capture/stop)

TTL (5 pcs)

Power supply for Camera and Light source

12 V DC, 1A



OptoFidelity WatchDog™ user interface.

Timestamp information	I/O-event image	Pre-event image	Post-event image
Absolute Time: 0,00 s Time from last event: 0,00 s Time from last I/O-event: 0,00 s			
Absolute Time: 0,07 s Time from last event: 0,07 s Time from last I/O-event: 0,07 s			
Absolute Time: 0,31 s Time from last event: 0,24 s Time from last I/O-event: 0,31 s			
Absolute Time: 0,46 s Time from last event: 0,15 s Time from last I/O-event: 0,46 s			
Absolute Time: 0,66 s Time from last event: 0,20 s Time from last I/O-event: 0,66 s			
Absolute Time: 1,34 s Time from last event: 0,67 s Time from last I/O-event: 1,34 s			
Absolute Time: 1,42 s Time from last event: 0,08 s Time from last I/O-event: 1,42 s			

Example of the WatchDog™ report from "the camera open UI command" response time

ORDERING INFORMATION / OPTIONS

OptoFidelity WatchDog™ Tester	Standard package (see table above)
Accessories	Optional
	Adjustable pressure based trigger switch
	Universal test jig
	Trigger switch for capacitive touch panel (OptoFinger)
	External light source
	High Speed option, resolution 0,01 s
	SQL Database

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