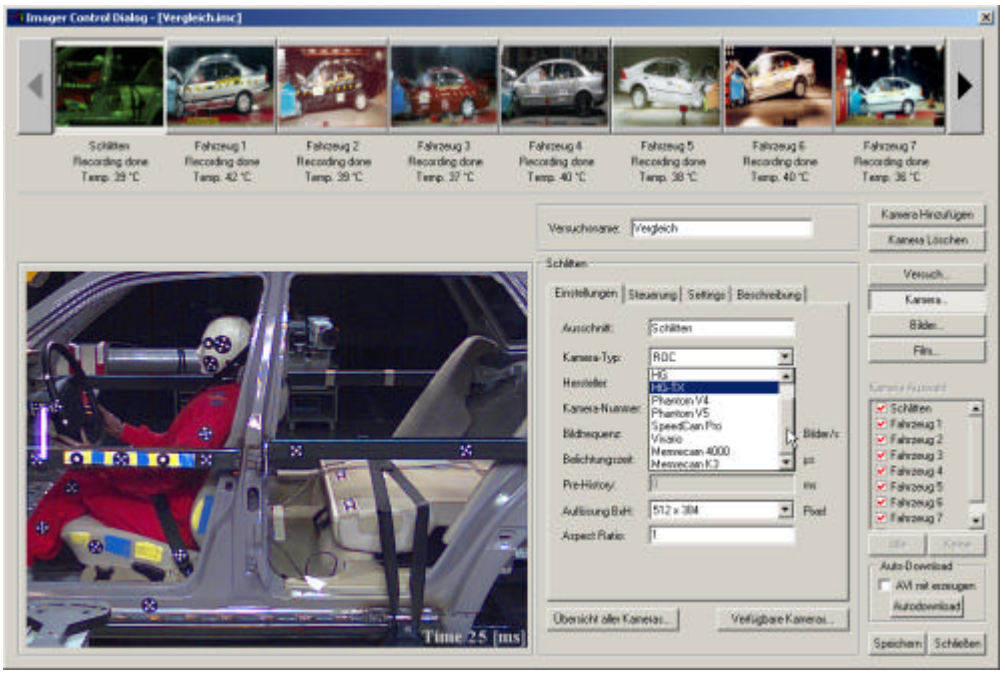
FALCON
FALKNER CONSULTING FÜR MESSTECHNOLOGIE GMBH

Lohenstr. 16, 82166 Gräfelfing-Lochham, Germany
Tel.: +49 89 85 10 88, Fax +49 89 85 10 27
e-Mail: info@falcon.de, www.falcon.de

FalCon ImagerControl

The Scalable Tool for Performing Tests: Control, Reading, Editing, Optimizing, Image Distortion Correction and AVI Generation for All Modern High-Speed Video Digital Cameras



FalCon ImagerControl offers exactly the power you need for your test objects and crash systems. From a small test bench controlled by PC to a large system with a large number of auxiliary computers.

If read and processing times were already not acceptable at a resolution of 512x384 pixels, you will have to count on times that are as much as 6 times longer for the new high-resolution cameras. For example, if you have needed 6 minutes per view up until now, they would be ready after 1 hour when using 10 cameras. In the future, however, this could last for as much as 6 hours!

We have taken measures to respond to this situation. What could be more obvious than distributing the task over several computers? Don't worry, though, you won't have to run from screen to screen. As it was previously, you will only have one control computer. The rest takes place invisibly to you: You will just be surprised that processing could possibly be that fast. A load balancing process comes into play that takes into account the performance capacity of the auxiliary computers, the image size and the desired read interval. And if you happen to be on a trip with your laptop computer and no auxiliary computers are available, the laptop does all the work, and you don't need to reconfigure anything.

All new camera types (and many old ones as well) are supported:

- Support of NAC, VisionResearch, Redlake/IDT, Photron, Olympus, AOS and Weinberger.
- Unrestricted mixed-mode operation is possible without losing the features of a given manufacturer.

Export

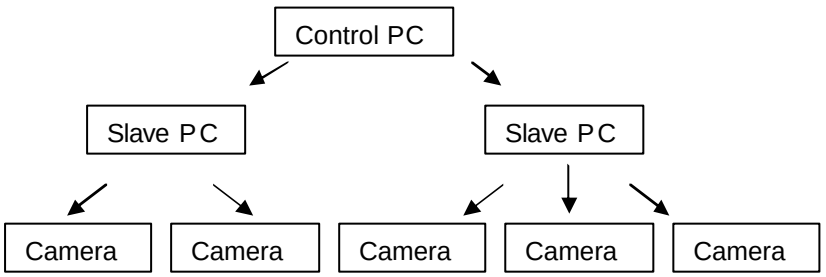
- Entire data structure acc. to ISO MME 13499 with MII (Moving Image Information)
- Image sequences in file format AVI, WMV and TIF

The software that grows to match your needs!

Reach your goal faster:

Besides using computers that work in parallel (Slaves), we had another great idea:

- Consistent multitasking on each computer is good for computers with multi-CPU, but doesn't save any time for single-CPU systems.
- With the integrated original data viewer, you can see the data immediately after the download.
- If you want, an uncompressed film sequence will be created with rapid image optimization only. While you are viewing this QuickLook sequence, the final and definitive AVI is being created in the background.
- If you want, image distortion correction can be performed immediately.
- Auto download starts automatically after read initiation and AVI generation.
- Automatical AVI reduction (option "Slaves") for creation of AVIs with smaller resolution
- Support of logical names for the automatic created files of the reduced AVIs
- Register of demands for name of camera perspective
- Online-histogram to check exposure-time
- Online-sharp tool
- Online movie steadiness control = anti-shake (MovXact is needed)
- ImagerTemplates for creation of test-defaults with overview of camera positions
- Free editable user interface
- **New:** SnapShot-Mode
- **New:** Spotlight-function
- **New:** Function „Smoothing" = noise suppression



Option:
Expandable: If you get a new camera, why not get an additional auxiliary computer to go with it? If you do, the overall processing time will stay the same. (Option "Slaves")

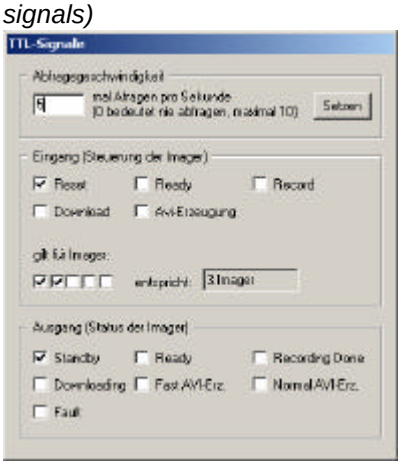
Universal:

Option:

- Remote control via PLC is possible.
- Remote control can be controlled by Telnet. The same is true of test and camera definition.
- The status of cameras is also available as TTL signals.

... and much more!

Remote control possible via PLC (TTL signals)



and/or Telnet as well

Technical details:

- Program system for computer platforms under WINDOWS 2000 / XP / 2003 / Vista
- MS Windows-compliant user interface.
- **Changes of technology and content subject to change**