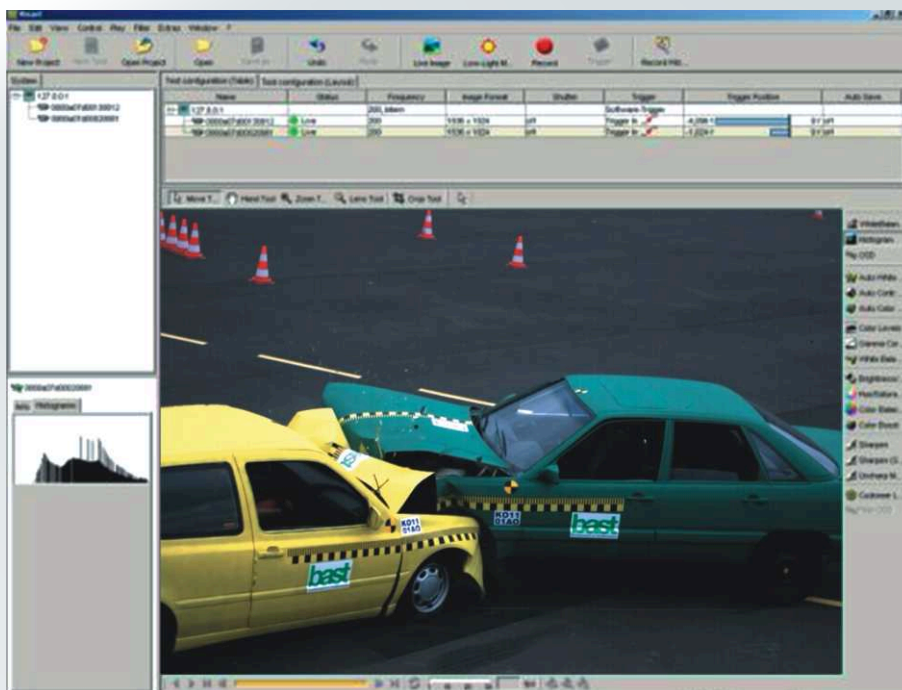





Visart Multi-Camera-Control

Intuitive operation with high
functional complexity



 Visart software enables high-speed cameras made by different manufacturers to be controlled together within complex networks. The challenge faced during the development of such a multi-camera control system is to provide simple, intuitive operation in spite of the high complexity, as well as providing status recognition of all cameras within the network. Visart has been developed in close cooperation with professional users in automobile test centres, and as a result is considered the most user-friendly software available on the market today.

You will soon feel „at home“

Visart ensures that you can concentrate on your core responsibilities, because for handling, configuration and evaluation you can rely upon intuitive software which provides a wide range of functions. All cameras within a network can be controlled with Visart. Development in very close cooperation with the customer

is a guarantee for best possible operation and a level of comfort which you will not want to miss ever again. Despite high functional complexity, operational control is intuitive, which means that after just a short time you will feel "at home" with it! These performance features make SpeedCam Visart the leading software for controlling digital high-speed cameras.

Visart Multi-Camera-Control

TECHNICAL DATA

Performance Features

- Intelligent templates for easy camera configuration
- Assistants (wizards) for performing recordings and data storage
- Comprehensive automation functions for even more efficient task accomplishment
- Optional camera configuration and control for commonly available Tablet/UMPCs
- Fade-in crosshair for easy focussing
- Coloured accentuation of over and/or under exposure zones in the live image
- Pre-definition of standard recording situations with memory function
- Toolbar management for user-specific arrangement of the desktop
- Drag&Drop support also for MS-Windows programs (MS-Explorer) image-processing and analysis
- Fade-in of all recording parameters in AVI films
- Fade-in of a company logo in AV films
- Redo/Undo functions
- Replay of raw data sequences at variable speeds
- Various automatic filters for contrast, white balance, colour and saturation
- Adjustment of contrast, brightness and white balance with immediate representation (WYSIWYG)
- Wide-range of manual image-processing filters (e.g. tonal value correction); Possibility of creating storable filter templates
- Various image-processing functions; image cropping, rotation, mirroring, histogram function, automatic exposure warning for false colour rendering
- Raw data player independent of hardware, with the possibility of creating AVI sequences
- Graphic visualisation of the test set-up including memory function and preview image
- Many useful aids for video analysis: magnifier, extracts, navigation window, lasso zoom, centre zoom, information window, etc.
- Supported input formats: Weinberger Raw Data, Bayer Raw Data
- Supported output formats: AVI, QuickTime, GIF, PNG, BMP, TIFF, JPEG and JPEG2000 software compatibility and camera integration
- Language support for various languages

New Visart Features

- Visart can now be used with many different makes and types of camera. Integration is made on CICAS basis.
- ARF and CICAS support reflect the newest pre-requirements of the safety test working group appointed by the German automobile industry
- Parallel downloads from cameras
- Set the filter settings in the live image or in the camera preview. If the data is subsequently downloaded, calculation of the AVI data is performed parallel. As an option the calculation can be further accelerated with the HRC technology on the graphics card
- Introduction of the cutting equation function
- Improvement of white balance for MiniVis cameras
- Either rounded-off or exact time stamp for image and T0 times
- Improved MiniVis download performance for reduced image formats
- MacroVis, MacroVis VLS and MacroVis LT support
- Adjustable low-light mode
- GPU support when storing data:
Accelerate the calculation of larger quantities of raw data in Visart with HRC technology. In practical use, a 13x increased acceleration of test data retrieval can be attained
- Supports MS-Vista operating systems
- Templates enable rapid and flexible camera settings to be set and administered

Information about CICAS

CICAS (Camera Interface for Car Safety) is a specification for standardizing the interface for control of high-speed cameras during "safety tests". This project is promoted and maintained by the working group for "Bildverarbeitung im Sicherheitsversuch" (Image Processing in Safety Tests) of the German automotive industry.

Objective of CICAS includes the standardized ARF (Automotive Raw data Format) for exchanging sequences of raw data.



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