# MOTION*Server*

## Multi Camera Interface

# *NAC GX-1/GX-5*

## Control and Sequence Enhancement

The imageserver software SIGNUM MOTION is the central software for the editing and display of digital image data. All raw data (e. g. of the NAC GX-1, Weinberger SpeedCam Visario, of Redlake or Photosonics-Cameras) are edited by this software and compiled for further processing.

A variety of high speed cameras can be controlled by the Multi Camera Interface. It is possible to set the parameters for each camera and to select the operation mode.

While recording the video data is stored in the RAM of the imager. After the recording the data are transferred to the imageserver.

The control option **MOTION NAC GX-1/GX-5** was specially designed by SIGNUM Bildtechnik for use with the corresponding NAC imager family.

Single cameras or complete sets of imagers can be controlled. As supported by the MOTIONServer software standard, image sequences can be played as a preview film or be processed directly after a recording.

This option of MOTION is also able to access the NAC-file formats, which can be used as image sequences for motion analysis or format conversion.

The integrated real time player is capable to display sequences immediately after downloading to the Imageserver. Thus it is not necessary to convert movies into AVIs to view the results!

The structure of the Multi Camera Interfaces of SIGNUM Bildtechnik is able to control different imager models at the same time in a single test, as well as imagers from different manufacturers.

Notes can be entered in the Multimedia-Exchange format (MME) on a test and thus be made available for other users.

The imageserver is also able to use special functions for synchronous display of sequences and diagrams of externally received data and video analysis.

## *Important features*

- **Option to control the NAC GX-1/GX-5 Camera**
  - o fast high speed CMOS camera
  - o 1280 x 1024 pixel
  - o up to 200.000 frames/sec with reduced resolution
  - o 12 bit, 10 bit and 8 bit color (selectable)
  - o recording time 1 Sec for full resolution and a frame rate of 1000 frames/sec.
- **Full Integration of camera family into MOTION environment**
- **remote control** of different camera models, also from different manufacturers, at the same time
  - o setting of recording parameters
  - o recording trigger control
- **Visual control of all camera views before the test**
- **Transfer of digital image data after a test using Ethernet, etc.**
- **Telnet server** (option) for remote control of all camera types via standard network protocol from external applications
- **Storage of test data in ISO MME format for exchange with other companies and departments**