MOTION*Server*

Multi Camera Interface

Redlake HG-100K

Control and Sequence Enhancement

Description of MOTION HG-100K

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 Roper Scientific/ Redlake HG100k, of Weinberger 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 HG-100k** was specially designed by SIGNUM Bildtechnik for use with the corresponding Roper Scientific/Redlake imager family.

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

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

The integrated realtime 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 ISO 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 Roper Scientific / Redlake HG-100k camera**
  - o fast high speed CMOS camera
  - o 1504 x 1128 pixel
  - o up to 10.0000 frames/sec with reduced resolution
  - o pixel size 12 µm
  - o recording time 1.2 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, SCSI, 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**