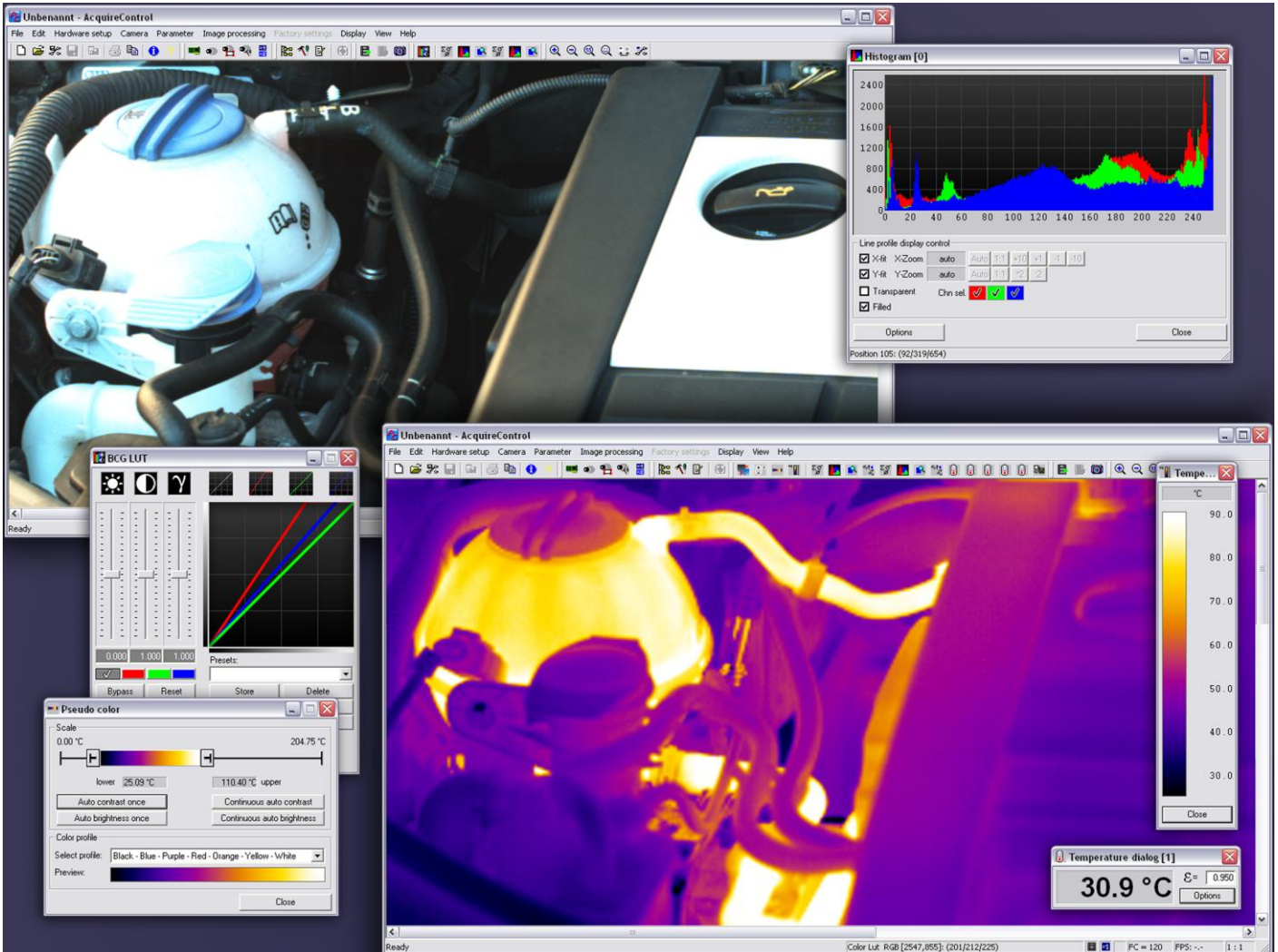


# AcquireControl

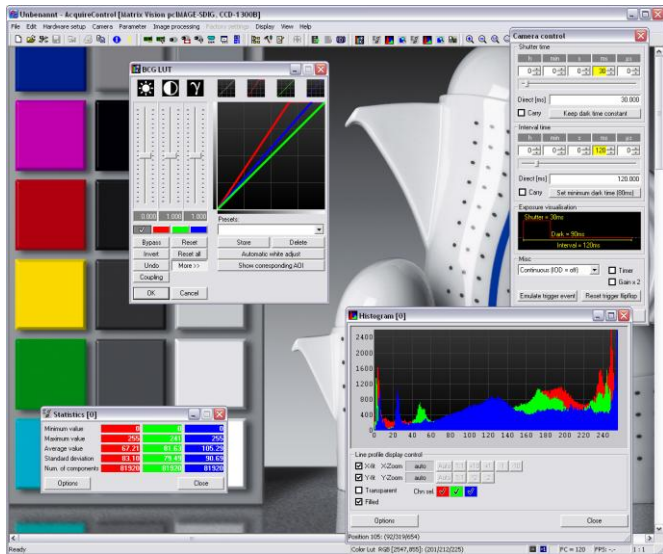
Image Acquisition and Control Software  
for VDS digital cameras



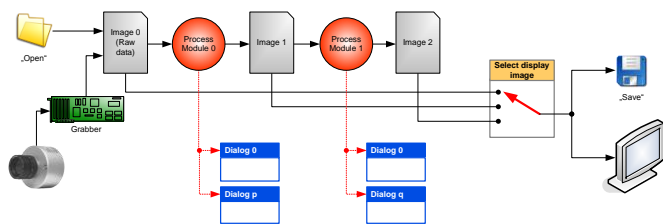
## Features

- Grabbing software for nearly every VDS digital camera
- Support of GigE, IEEE1394, Camera Link and RS644/LVDS framegrabber
- Support of monochrome and color cameras (with Bayer mosaic filter)
- Support of infrared cameras
- Acquisition of greyscale, temperature & color images
- Adjustment of all camera parameters
- Statistic functions and temperature measurement (Full image or AOI)
- Export & Autosave in various formats (AVI, TIF, BMP)
- Support for Windows<sup>®</sup> 7, Windows<sup>®</sup> Vista, Windows<sup>®</sup> XP and Windows<sup>®</sup> 2000

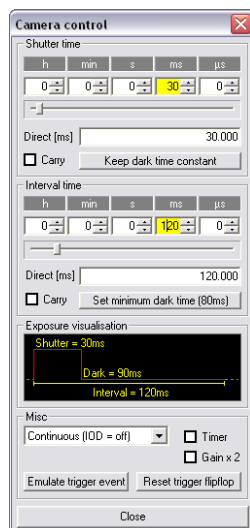
The AcquireControl software is used to control nearly every Allied Vision Technologies GmbH digital camera in connection with a framegrabber, an IEEE1394 or a GigE interface. The software supports CCD, CMOS, UV, X-RAY and IR cameras.



The software is structured chain-like and offers miscellaneous possibilities of interaction for the user. In order to operate with different camera image formats the user can choose from several predefined "Image Processing Chains". These chains define how an incoming image is handled and displayed.

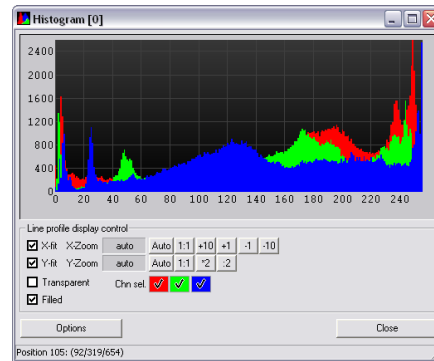


In dependence of the connected camera the user can adjust several hardware parameters, e.g. the camera timing, by an easily accessible dialog. The dialog allows it to configure times between a few micro seconds up to several hours. Furthermore a universal terminal window is available for accessing the serial interface of the camera.

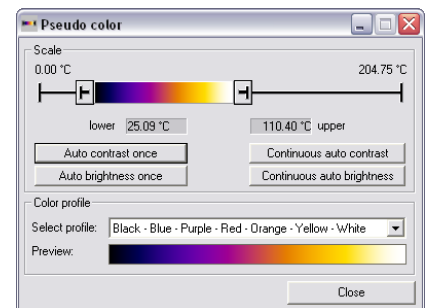


AcquireControl offers also extensive possibilities for detail examination of images. In this way histograms and statistical data can be displayed at any time. Even during live preview a real time display of these modules is possible.

An analysis can be applied either to the entire image or a user defined area (AOI). The AOI can be rectangular, circular or ring-like. Also reversals are adjustable.



Images from infrared cameras can be viewed by applying a pseudo color LUT with several color profiles. This LUT module also contains auto contrast and auto brightness functions in order to display always the optimum image without user interaction.



Grabbed and processed images can be stored in several file formats. Furthermore an autosave module can be configured to record all incoming images (e.g. as AVI).

### System Requirements

#### PC / Notebook:

- Microsoft® Windows® 7, Windows® Vista®, Windows® XP® or Windows® 2000
- Intel® Pentium® III 700MHz (Intel® Pentium® 4 1GHz recommended)
- 512MB RAM (1024MB recommended)
- 100MB available hard disk space for installation
- Hard disk space for image storage according to each image size & format
- Graphic card with 64MB RAM (128MB recommended)
- CD- / DVD-drive

#### Camera:

- Allied Vision Technologies GmbH digital camera; monochrome, temperature or color

#### Framegrabber:

- Pleora iPORT GigE with Gigabit Ethernet capable network card
- IEEE1394a card, OHCI compatible (TI chip set recommended)
- Matrix Vision pciIMAGE-SDIG (RS644 / LVDS)
- Matrix Vision mvTITAN-DIG (RS644 / LVDS)
- Matrix Vision mvTITAN-CL (Camera Link)
- Matrix Vision mvGAMMA-CL (Camera Link)