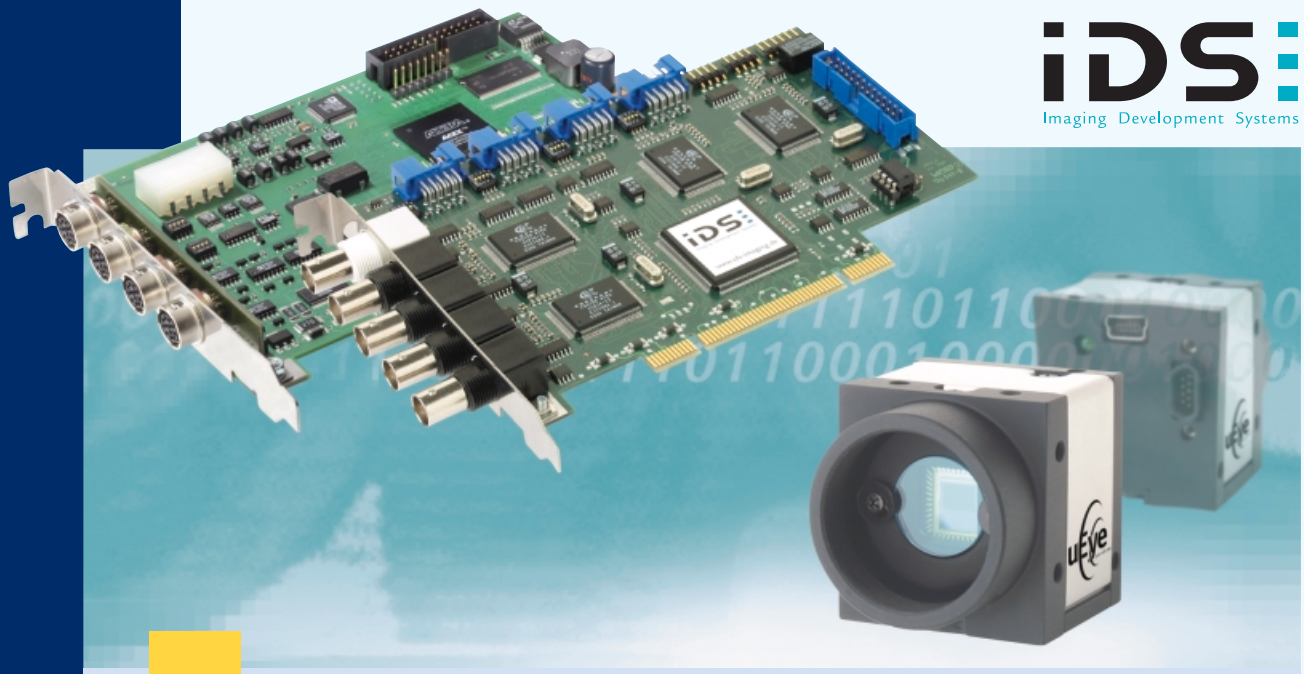
MACHINE VISION TECHNOLOGIES

Frame Grabber Interface for Accessing

IDS Boards and Cameras

BARRACUDA, EAGLE & FALCON
uEye USB 2.0 Cameras



in HALCON and ACTIVTOOLS VISION

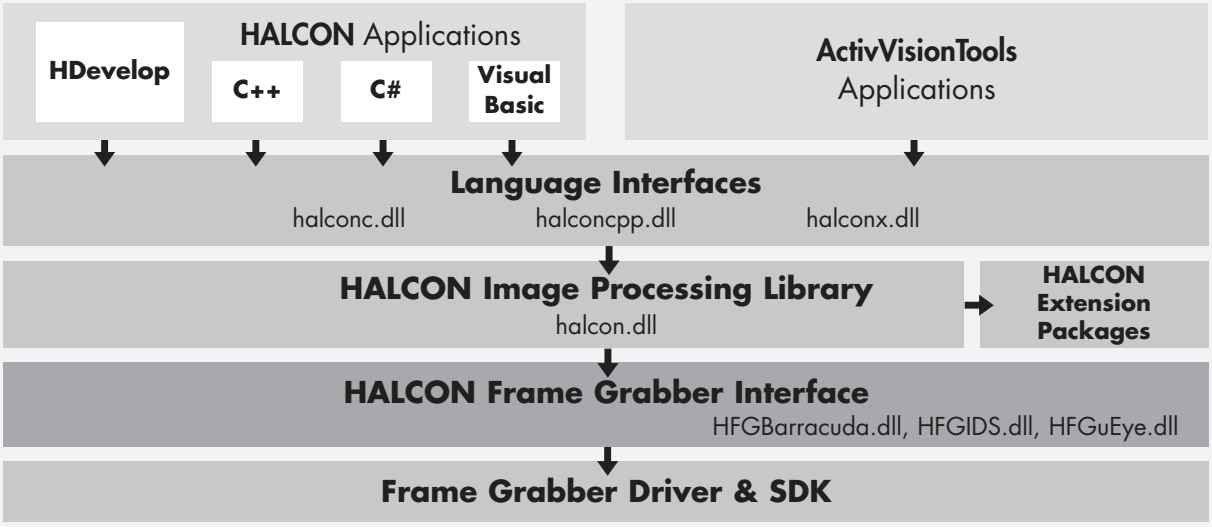
Features

- Multiple boards and cameras
- Synchronous and asynchronous grabbing
- Subsampling and cropping of image parts
- External trigger (not available for FALCON)
- Software control of a variety of image acquisition parameters
- Software control of the digital input/output lines (BARRACUDA & EAGLE boards only)

See http://www.mvtec.com/halcon/framegrabber/
for a detailed description of this interface and the complete list of all currently supported frame grabbers.

MVTEC *Building Vision for Business*

Flexible Software Architecture



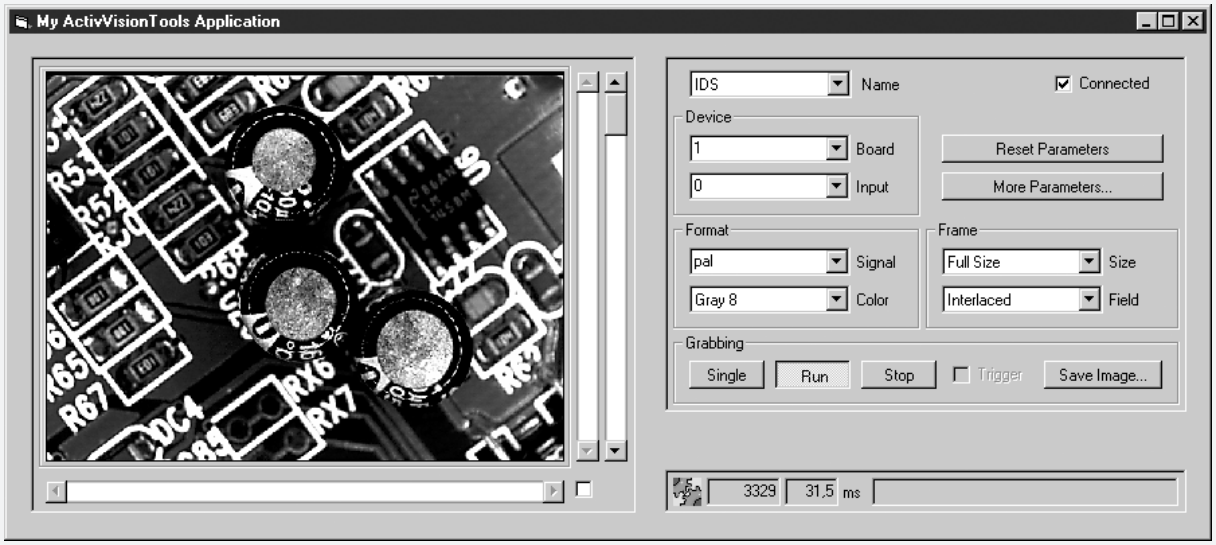
Accessing Your Frame Grabber in HALCON

HALCON provides a generic set of operators for accessing a frame grabber. Thus, each specific HALCON frame grabber interface contains the actual implementation of the following operators:

info_framegrabber()	Query information about a specific frame grabber
open_framegrabber()	Open and configure a specific frame grabber
grab_image()	Grab an image synchronously
grab_image_start()	Start an asynchronous grab
grab_image_async()	Fetch last asynchronously grabbed image and start next grab
get_framegrabber_param()	Query current setting of a specific parameter
set_framegrabber_param()	Set special parameters for a specific frame grabber
get_framegrabber_lut()	Query current frame grabber lookup table
set_framegrabber_lut()	Set frame grabber lookup table
close_framegrabber()	Close specified frame grabber

See the HALCON reference manual for more details. Furthermore, every specific frame grabber interface contains also a detailed description of all its possible parameter values, see http://www.mvtec.com/halcon/framegrabber/.

Accessing Your Frame Grabber in ActivVisionTools



ActivVisionTools provide a set of easy-to-use ActiveX controls that enable you to select your frame grabber and to configure it interactively.