

HALCON

THE SOFTWARE SOLUTION FOR MACHINE VISION APPLICATIONS

Frame Grabber Interface for MRT VideoPort Professional PCMCIA Card



Features

- Supported operating system: Windows NT 4.0
- Synchronous grabbing
- Asynchronous grabbing
- Subsampling
- Cropping arbitrary parts of an image

Note: The frame grabber may support additional features not integrated in HALCON so far.
Please contact the vendor directly.

HALCON Frame Grabber Interface for MRT VideoPort Professional PCMCIA Card

Revision: 1.5

► Description of Parameters for `open_framegrabber()`:

Name	'VideoPort'	The name of the HALCON frame grabber interface.
FGWidth	1, 2, 4, width	The desired image resolution. Use '1' for full resolution, '2' for subsampling by factor 2, '4' for subsampling by factor 4.
FGHeight	1, 2, 4, height	The desired image resolution. Use '1' for full resolution, '2' for subsampling by factor 2, '4' for subsampling by factor 4.
Width	0, width	The width of the desired image part ('0' stands for the complete image).
Height	0, height	The height of the desired image part ('0' stands for the complete image).
StartRow	0, row	The row coordinate of the upper left pixel within the desired image part ('0' stands for delivering the complete image).
StartColumn	0, column	The column coordinate of the upper left pixel within the desired image part ('0' stands for delivering the complete image).
Field	—	Ignored.
Bits	8, 24	Number of bits per pixel: Grayscale (8 bits) or color (24 bits).
ColorSpace	—	Ignored.
Gain	—	Ignored.
ExternalTrigger	—	Ignored.
Generic	'NTSC', 'PAL', 'AUTO'	Specifies the video input.
Device	—	Ignored.
Port	0, 1	Input channel of the imaging card.
LineIn	—	Ignored.

► Description of Parameters for `set_framegrabber_param()`:

'volatile'	'enable', 'disable'	Grayscale only. In the volatile mode the two framegrabber interface buffers are used directly to store HALCON images. This is the fastest mode avoiding to copy raw images in memory.
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See the HALCON documentation for a detailed description of these generic frame grabber operators and visit <http://www.mvtec.com/halcon/framegrabber/> for updates and a complete list of current HALCON frame grabber interfaces.

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