

# UFG-03

versatile RGB and DVI frame grabber



## High Definition Capture of RGB and DVI Video

UFG-03 is a versatile video frame grabber that enables the capture, printing or transmission of the screen of any PC or other equipment. Tools often available in a standard PC can be used to store the video as single images or video streams. Application areas for the UFG-03 can be found in industrial, medical, multimedia or in maritime environment.

## Compatible with Standard Windows Applications

UFG-03 can be used with a wide selection of video capturing and steaming tools. Any application supporting Video for Windows (VfW) automatically recognises UFG-03. Also the UFG-03 tools are available in those applications.

For areas where a custom application is necessary, the UFG-03 Extended Driver Interface provides a direct access to its all functions and parameters. A SDK with example applications and example source code is included.

## Automatic Video Signal Detection

The UFG-03 automatically detects all standard VESA display modes. In addition to that, UFG-03 can be used with sync modes from Csync to Sync on Green.

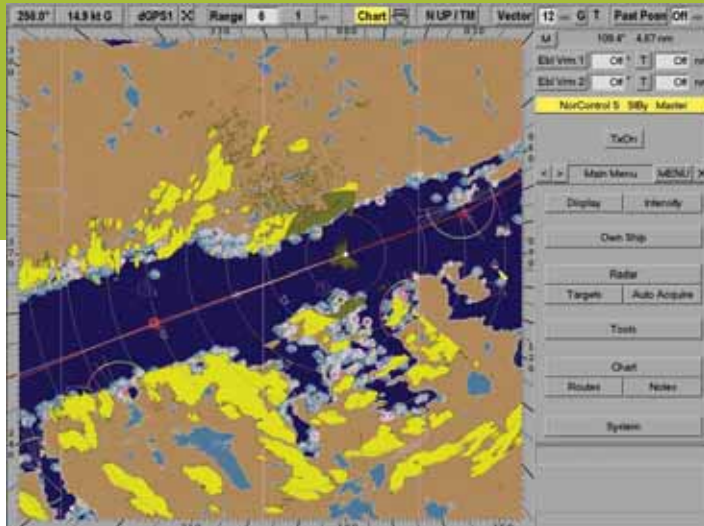
### Benefits

- Capture of images and streams from RGB and DVI video
- Video for Windows compatible
- Compact half size PCI card
- Automated display mode and sync detection
- Image captured in one video frame
- HW scaling from half input image size to UXGA



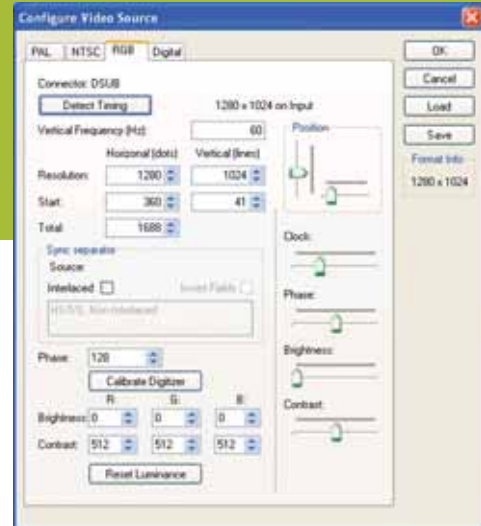
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LEFT **UFG-03** image clarity and stability meets the highest industry requirements.

RIGHT **The configuration tool** enables interactive fine-tuning of the capturing parameters.



## Specifications

	<b>UFG-03</b>	<b>UFG-03 HiDef</b>
Video Input	RGB on VGA connector TMDS on DVI-I connector (Composite Video optional)	
Input Resolution	1280 x 1024	1600 x 1200
Input Frame Rate		
1600 x 1200	—	65 Hz
1280 x 1024	60 Hz	85 Hz
1024 x 768	85 Hz	85 Hz
Input Pixel Frequency	110 MHz	165 MHz
A/D Conversion	8 bits per color	
Scan Modes	Progressive, interlaced	
Sync Modes	Automatically detected HS/VS, Composite and Sync-on-Green	
HW Scaling	From half of input image size to UXGA, independently horizontal and vertical	
Output Color Depth	16, 24 or 32 bits per pixel	
Capturing Speed	1600 x 1200: 27 fps max 1280 x 1024: 40 fps max 1024 x 768: 66 fps max	
Operating Systems	Microsoft Windows XP, 2000 and NT	
SW Interface	Video for Windows compatible and Installable Driver functions	
Multi-board Support	Up to 10 boards in a system.	
Module Size	Half size PCI card, length 175 mm	
Power Consumption	7.5 Watts maximum	

## Applications

### Video Image Capture

You can use UFG Frame Grabbers to store an electronic copy of an image from a medical, industrial, laboratory etc. instrument's screen. Your need might as well be to backup real time information from an automation system or e.g. a radar display.

### Video Streaming

UFG Frame Grabbers can store your video into a video stream file for live broadcasting or e.g. a slide show presentation.

### Video Printing

The UFG Frame Grabbers replace an outdated video printer. UFG-03 is capable of storing video images from all kinds of video display screens for printing to an ordinary PC printer.

### Picture in Picture

If you need to see the screen of a PC or other device screens on a PC display, UFG Frame Grabbers can help you. Up to 10 screen images can be shown on one PC screen.

