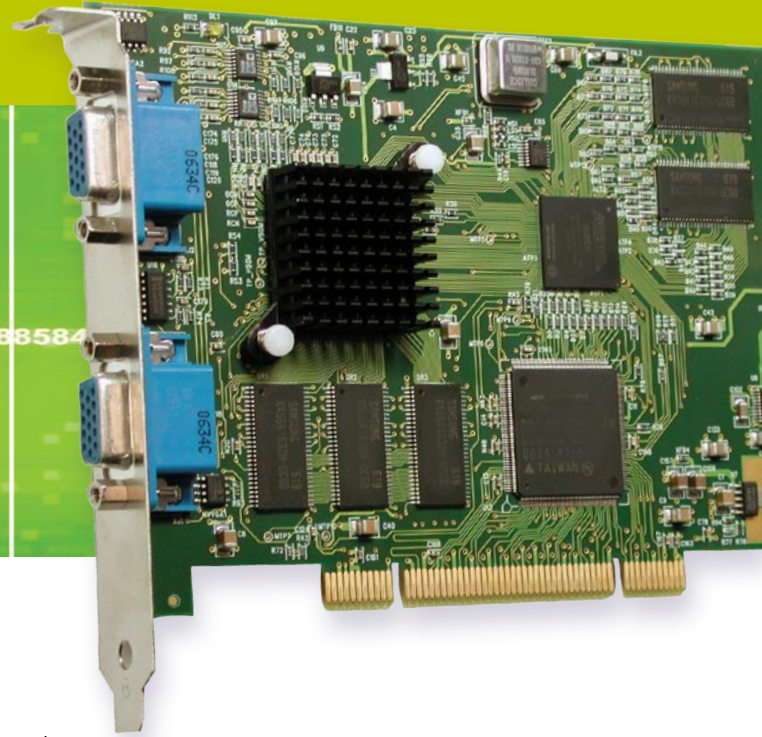


# UFG-03 DualRGB

frame grabber with two RGB inputs



## Two Selectable RGB Inputs

UFG-03 DualRGB frame grabber enables the capture, printing and 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. The card features a built-in switch for selecting between the two input RGB signals. Application areas for the UFG-03 DualRGB can be found in industrial, medical, multimedia or in maritime environment.

## Compatible with Standard Windows Applications

UFG-03 DualRGB can be used with a wide selection of video capturing and streaming tools that are using DirectShow. The application will automatically recognize UFG-03 DualRGB and use the built-in configuration tool.

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

## Automatic Video Signal Detection

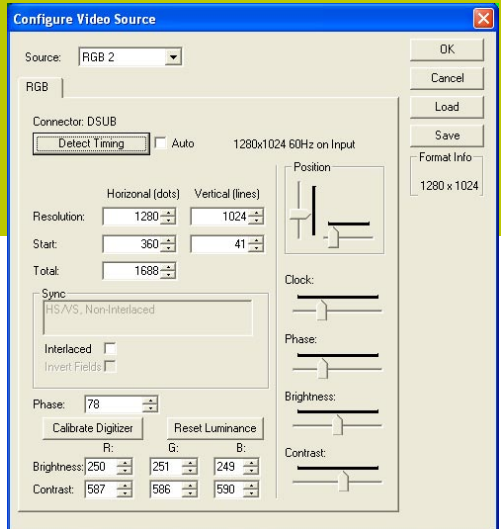
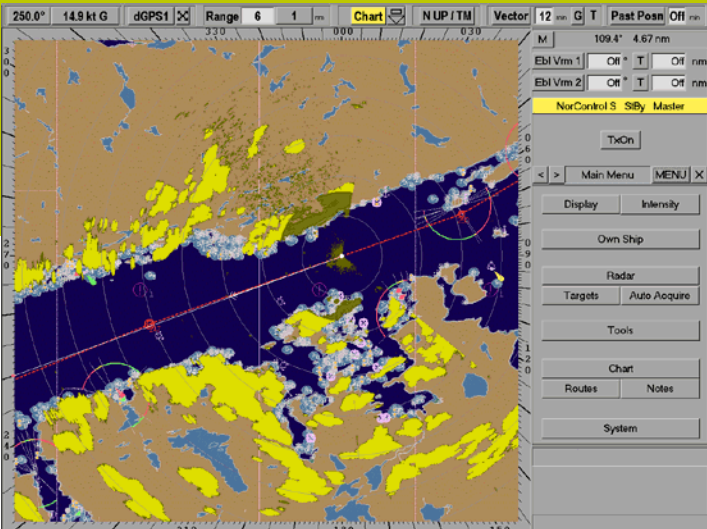
UFG-03 DualRGB automatically detects all standard VESA display modes. In addition to that, it can be used with sync modes from CSync to Sync on Green.

### Benefits

- Capture of images and streams from two selectable RGB inputs
- Video for Windows compatible
- Compact half size PCI card
- Compatible with PCI and PCI-X
- Built-in display mode and sync detection
- PCI bus data transfer speed up to 133 MBytes/s
- Image captured in one video frame
- HW scaling down to half input image size and up to 1600 x 1200

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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

| Video Inputs          | RGB on two VGA connectors   | UFG-03 DualS | UFG-03 DualHD |
|-----------------------|---|--------------|---------------|
| Input Resolution      | 1280 x 1024   | 2048 x 1536* |               |
| Input Frame Rate      | 1600 x 1200   | n/a          | 60 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 RGBHV, RGSB, RGBC  |              |               |
| HW Scaling            | From half of input image size to 1600 x 1200, independently horizontal and vertical                               |              |               |
| Output Color Depth    | 16, 24 or 32 bits per pixel   |              |               |
| Data Interface        | PCI bus master; bursts up to 133 MBytes/s. Compatible with both 5 V and 3.3 V bus logic voltages                  |              |               |
| Operating Systems     | Windows XP or 2000  |              |               |
| SW Interface          | Video for Windows compatible with Installable Driver functions<br>Input channel selected via user interface or SW |              |               |
| Multi-board Support   | Up to 10 boards in a system   |              |               |
| Module Size           | Half size PCI card,<br>Length 175 mm  |              |               |
| Power Consumption     | 6.3 W 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. They capable of storing video images from all kinds of video display screens for printing to an ordinary PC printer.

