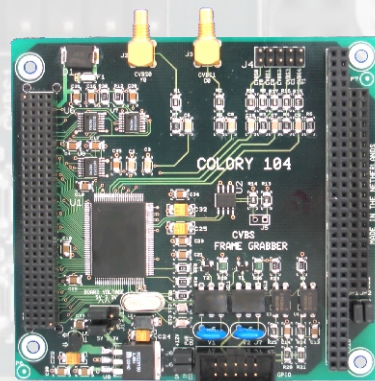


## cost attractive CVBS framegrabber

colory™ 104

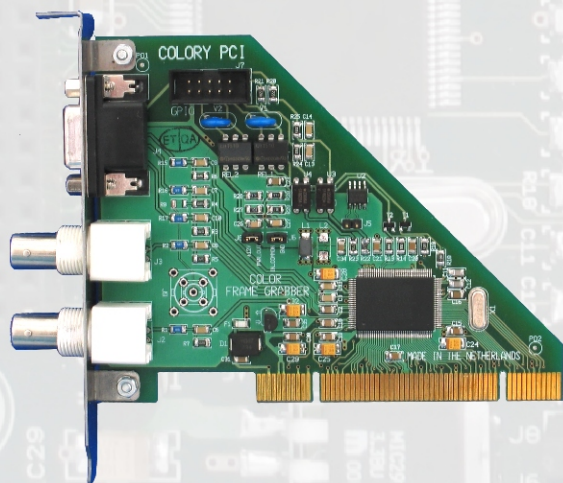


### colory™ framegrabber for PCI and PC/104plus

The colory™ framegrabber models are the perfect choice for entry-level imaging applications. All basic features are available and the acquired video can be displayed with an excellent image quality.

The colory™ analog framegrabber acquires PAL, NTSC and SECAM video, both in CVBS and Y/C. The standard PCI and PC/104plus (32bit/33MHz) boards are PCI 2.2 compliant. The colory™ offers an on board realtime video scaler and color space converter. The boards operate as DMA master on the PCI bus to avoid host processor load.

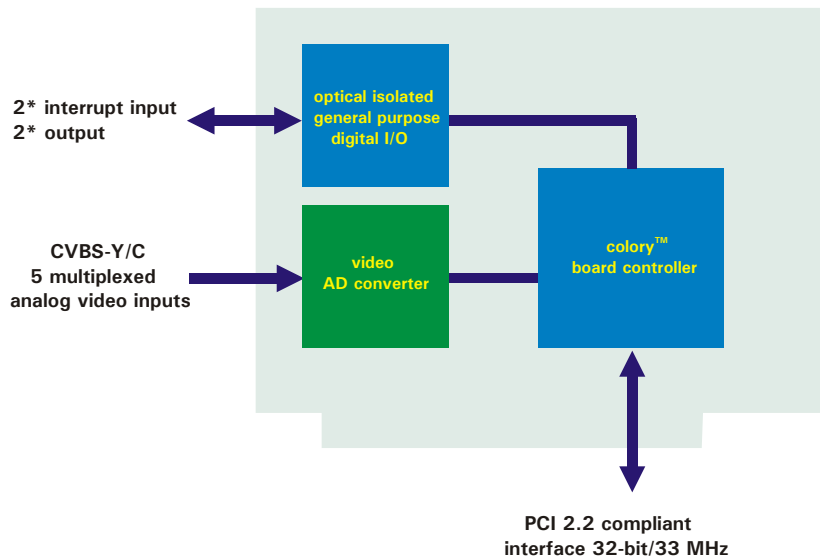
The colory™ is supported for Windows<sup>®</sup>, Linux and QNX<sup>®</sup>. Open source sample program code is available to ensure a quick start for the application programmer.



colory™ PCI

## Features

SYSTEM OVERVIEW of the colory™ analog CVBS Framegrabber Board



|                    |  |                              |  |
|--------------------|--|------------------------------|--|
| Video Standards    | NTSC, PAL and SECAM  | PCI                          | PCI 2.2 compliant<br>3.3 and 5 V signaling environment   |
| Five Video Inputs  | CVBS and S-video (Y/C) multiplexed inputs                                  | Power Supply                 | <b>PCI:</b> 3.3 and 5 Volt<br><b>PC/104plus:</b> 3.3 or 5 Volt (selectable)<br>power consumption t.b.d.  |
| Sampling           | 9 bit/pixel, 720 pixels/line according ITU-R BT.601                        | Board Size                   | <b>PCI:</b> 120x95 mm (triangular)<br>3.3 and 5 V slot universal board<br><b>PC/104plus:</b> 96*90 mm<br>(PC/104 stack through connector optionally mounted) |
| Image Formats      | NTSC 720*480 pixels<br>PAL 720*576 pixels<br>SECAM 720*576 pixels          | Video Connect                | <b>PCI:</b> 2*BNC, Sub-D9 on bracket<br><b>PC/104plus:</b> 2*SMC, header   |
| Hardware Scaler    | horizontal and vertical down scaler or zoom, adaptive anti aliasing filter | Digital I/O                  | optical isolated digital I/O<br>2* interrupt input<br>2* output<br>all signals on standard header  |
| Software Control   | brightness, contrast, hue and saturation                                   | General Purpose Power Output | 12V DC (max. 200 mA) is available on the digital I/O header (only when supplied by the host system)  |
| Video Output Modes | RGB15, RGB16, RGB24, RGB32, YUV411, YUV422, YUV444, Y8                     |                              |  |
| Corrections        | Gamma compensation<br>black stretching                                     |                              |  |

for more technical details, please refer to the user manual



**an ARVOO imaging product**