

# ) EYE-18

eyevis Accessories

## ) MULTI-FORMAT CONVERTER

The EYE-18 multi-format converter is a universal up-/down-converter with an adjustable digital DVI output offering many additional functions.



front View



Rear View

## ) FEATURES

- optimised auto format recognition
- picture-in-picture function (Video over RGB / RGB over Video)
- signal-source switch 1x DVI, 2x RGB, 1x FBAS, 1x Y/C
- colour temperature adaption
- optimised signal processing using dual DSP Processing
- high-quality picture interpolation
- zoom function / matrix function
- sharpness filter
- on-screen-display, freely programmable displayed texts
- operated via front panel or RS232 interface
- firmware update via RS232
- output frequency adjustable via firmware
- genlock-compliant on input signal
- output resolution up to 1600x1200

## ) APPLICATIONS

The EYE-18 offers a wide range of possibilities. For example, it can be used as an upstream device for split processors, so formats can be recognised automatically. The EYE-18 can also be used as a picture processor for displays or projectors in training classrooms or conferences.

- extra input for displays with only one input
- picture-in-picture function with two inputs
- upscaling of video signals (FBAS / S-VHS)

## ) TECHNISCHE SPEZIFIKATIONEN

## Input Signal RGB (VGA) 1 / RGB 2

Level	0,7 / 1 V <sub>SS</sub> with 75 Ohm <sup>1)</sup>
Bandwidth	500 MHz (-3 dB)
H-Frequency	15 - 100 kHz <sup>2)</sup>
V-Frequency	50 - 100 Hz <sup>2)</sup>
Pixel Frequency (internal)	max. 140 (280 MHz)
Synchronisation	- separate Sync - composite Sync on H - sync on green
Resolution	max. 1.600 x 1.200 optional 1.920 x 1.200
Colour Depth	16,7 Mio. (8 Bit/Colour)

<sup>1)</sup>: The input voltage 1 V<sub>SS</sub> applies to an input signal „sync on green“ with 0,7 V video content and 0,3 V sync content

<sup>2)</sup>: The maximum value of the H- and V-Frequency is limited by the maximum Pixel Frequency

## Input Signal DVI

Signal Type	Standard signal DVI 1.0 DVI Single-Link
Pixel Frequency	25 - 165 MHz

## Input Signal Video (CVBS/S-SVHS)

Level	1 V <sub>SS</sub> with 75 Ohm
H-Frequency	15,625 / 15,734 kHz
V-Frequency	50 / 60 Hz
Coding	- PAL - NTSC - SECAM
Colour Depth	16,7 Mio. (8 Bit/Colour)

## Output Signal DVI

Signal Type	Standard signal DVI 1.0 DVI Single-Link
Available Output Resolutions (one resolution available per device)	1024x768, 1280x1024, 1366x768, 1400x1050, 1600x1200, 1920x1080 (optional)

## More

Operating Voltage	11,4 V <sub>DC</sub> to 12,6 V <sub>DC</sub>
Operating Temperature	0 to + 60 °C



eyevis UK Ltd

PO Box 482 • Burnley  
Lancashire • BB11 9BX • United Kingdom  
Tel: +44(0)1282 606525 • Fax: +44(0)1282 697703  
www.eyevis.co.uk • enquiry@eyevis.co.uk  
As at: August 2009 • Subject to change!  
Copyright © 2009 eyevis GmbH. All Rights Reserved.