

) 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)

) EYE-18



Multi-Format Converter

) TECHNICAL SPECIFICATIONS

Input Signal RGB (VGA) 1 / RGB 2

| | |
|----------------------------|---|
| Level | 0,7 / 1 V _{SS} with 75 Ohm ¹⁾ |
| Bandwidth | 500 MHz (-3 dB) |
| H-Frequency | 15 - 100 kHz ²⁾ |
| V-Frequency | 50 - 100 Hz ²⁾ |
| 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) |

¹⁾: The input voltage 1 V_{SS} applies to an input signal „sync on green“ with 0,7 V video content and 0,3 V sync content

²⁾: 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 _{SS} 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 _{DC} to 12,6 V _{DC} |
| Operating Temperature | 0 to + 60 °C |