# FOUR DVI/RGB/VIDEO SCALERS IN ONE PACKAGE

## QuadraDVI

**Multi-Channel Signal Converter, Scaler & Synchronizer**

**FOUR INDEPENDENT CHANNELS:**

**Up/down converter**

**DVI, RGB, HD, S-Video, NTSC/PAL inputs**

**Inputs/outputs to 1920x1200 pixels**

**100 X zoom**

**DVI and RGB outputs**

**Synchronized outputs**

**Ethernet and RS-232 control**

**Compact 1RU chassis**

The Quadra™ DVI offers four real time scalers in a 1RU enclosure, each capable of scaling, converting and/or synchronizing up to four RGB, DVI and video signals. In a mixed DVI/RGB distribution network, the Quadra can serve as a gateway to or from a DVI switcher.

The unit accepts signals up to 1920x1200 pixels and converts them to any RGB or DVI format. All output signal parameters are user selectable, including line rate, frame rate, interlacing and blanking.

Pan and zoom functions allow selective extraction of any portion of an image for cropping or aspect ratio adjustment. Conversion to lower line rate signals can be executed by extracting a portion of the original signals or by down-converting the entire raster, or a combination of extraction and down-conversion. All functions are easily set up and controlled using a command line interface from either the RS-232 or Ethernet ports.

The Quadra DVI sets a new standard for multi-format scan conversion and scaling with a full range of digital and analog inputs and outputs, four independent processing channels, synchronized outputs and the smallest footprint in its class.

The Quadra is genlockable to an external reference signal applied to input 1. All output signals can be locked to this external reference, or to a user-selectable timing.

**RGB analog ⇄ DVI digital**

**Interlaced ⇄ non-interlaced**

**875 ⇄ 525 line**

**FLIR ⇄ RGB**

**Aspect Ratio ↕**

**Line rate ↕**

**Video → RGB / HDTV**

## Specifications

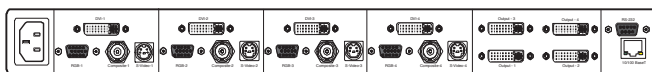### Input Signals

| | |
|---|---|
| Type / Number | 4x RGB/YPbPr/HD<br>4x DVI<br>4x NTSC/PAL composite<br>4x S-Video |
| Resolution | 640x480 to 1920x1200<br>720p, 1080i, 1080p |
| Horizontal scan rate | 12 kHz to 125 kHz<br>interlaced or non-interlaced |
| Pixel clock (Max) | 165 MHz |
| Video levels | 0.7 V p-p |
| Sync type | Sync on green, separate composite sync,<br>or separate H-drive and V-drive |
| Connectors | RGB: 15-pin HD D-Sub (female)<br>DVI: 24-pin DVI-D<br>Composite: BNC (female)<br>S-Video: 4-pin mini DIN (female) |

### Output Signals

| | |
|---|---|
| Type / Number | 4x RGB analog<br>4x DVI digital |
| Resolution | 640x480 to 1920x1200<br>720p, 1080i, 1080p |
| Horizontal scan rate | 12 kHz to 125 kHz<br>interlaced or non-interlaced |
| Pixel clock (Max) | 165 MHz |
| Video levels | 0.7 V p-p |
| Sync type | Sync on green, separate composite sync,<br>or separate H-drive and V-drive |
| Connectors | Analog and digital 29-pin DVI-I |

### Other

| | |
|---|---|
| Power | 100-240 VAC auto ranging<br>47 Hz-440 Hz<br>Less than 65 W |
| Control | Ethernet 10/100 BASE-T<br>RS-232 |
| Size | 1 RU<br>Width  17.25"/43.8 cm<br>Depth  15.3"/38.9 cm<br>Height  1.75"/4.5 cm |
| Rackmount | Rackmount kit included |
| Weight | Approximately 14 lbs/6.3 kg |



**Front and rear panels**