



**FOUR INDEPENDENT CHANNELS:**

**Up / down converter**

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

**Inputs / outputs to 1920 x 1200 pixels**

**100 X zoom**

**DVI and RGB outputs**

**Synchronized outputs**

**Ethernet and RS-232 control**

**Compact 1RU chassis**

## FOUR DVI/RGB/VIDEO SCALERS IN ONE PACKAGE

### Quadra DVI

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

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 1920 x 1200 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/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

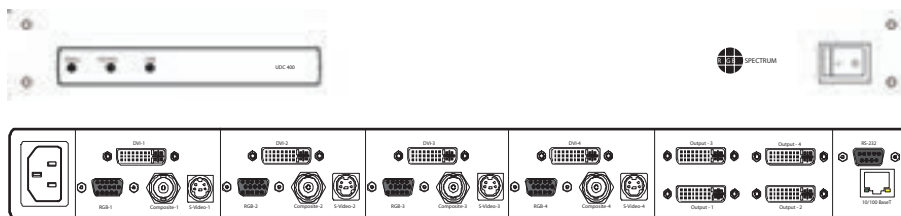
Type / Number	4 x RGB / Y P <sub>b</sub> P <sub>r</sub> / HD 4 x DVI 4 x NTSC/PAL composite 4 x S-Video
Resolution	RGB: 640 x 480 to 1920 x 1200 720p and 1080i HD DVI: 640 x 480 to 1600 x 1200
Horizontal scan rate	12 kHz to 125 kHz interlaced or non-interlaced
Pixel clock (Max)	165 MHz
Video levels	0.7 V p-p
Sync type	Sync on green, separate composite sync, or separate H-drive and V-drive
Connectors	RGB: 15-pin HD D-Sub (female) DVI: 24-pin DVI-D Composite: BNC (female) S-Video: 4-pin mini DIN (female)

### Output Signals

Type / Number	4 x RGB analog 4 x DVI digital
Resolution	RGB: 640 x 480 to 1920 x 1200 DVI: 640 x 480 to 1600 x 1200
Horizontal scan rate	12 kHz to 125 kHz interlaced or non-interlaced
Pixel clock (Max)	165 MHz
Video levels	0.7 V p-p
Sync type	Sync on green, separate composite sync, or separate H-drive and V-drive
Connectors	Analog and digital: 29 pin DVI-I

### Other

Power	85 - 264 VAC auto range 47 Hz - 440 Hz Less than 65 W
Control	Ethernet 10/100 BASE-T RS-232
Size	1 RU Width 17.25" (43.8 cm) Depth 15.3" (38.9 cm) Height 1.75" (4.5 cm)
Rackmount	Rackmount kit included
Weight	Approximately 14 lbs. (6.3 kg.)



Front and Rear Panels