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

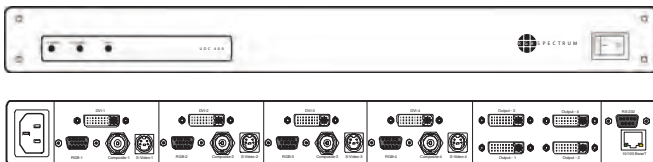## Input Signals

Type / Number	4x RGB/YPbPr/HD 4x DVI 4x NTSC/PAL composite 4x S-Video
Resolution	640x480 to 1920x1200 720p, 1080i, 1080p
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	4x RGB analog 4x DVI digital
Resolution	640x480 to 1920x1200 720p, 1080i, 1080p
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	100-240 VAC auto ranging 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

RGB SPECTRUM ®
visual resource management ™