

VIDEO / GRAPHICS SCALER / SWITCHER PRODUCT BRIEF

The Silicon Optix OptiScale is a high performance Video/Graphics Scaler with multiple source switching capability.

With OptiScale, Silicon Optix provides the AV Professional or Home Theater Enthusiast with the widest range of input signals, and the highest quality of scaling and de-interlacing available in any Scaler product. Symmetrical Aspect Ratio control, and powerful zoom and pan capability, combined with quick, artifact free switching between input channels, make the OptiScale a versatile and robust performer where high quality, multiple source switching and scaling is required.

OptiScale offers an extensive set of selectable input signals. Only in Silicon Optix products are such a wide range of input signals - RGB Graphics (from analog or DVI sources), SDTV (in all popular signal formats: composite, S-Video and component - in NTSC, PAL and SECAM), and analog HDTV - integrated in one small package.



All of these signals are handled with an amazing degree of flexibility. Contrast, Brightness, Saturation, and Hue Controls, Gamma Processing, Zooming and Panning, and several forms of Aspect Ratio conversion can all be applied to any input signal. High Quality De-Interlacing is applied to all of the SDTV and 1080i HDTV inputs.

A convenient User Interface, which features a bit mapped, multi-lingual On Screen Display, and Front Panel Display, may be simultaneously activated by Front Panel Switches, IR remote or Serial Communications Link (RS-232, RS-422, or RS-485). The Front Panel provides controlled illumination, so that the AV professional can operate the system in a dimmed Control Room, and the Home Theater user can view the Main Screen without distraction. Advanced IC cooling technology provides quiet operation.

OptiScale is available in a compact desktop package, which can also be used in rack-mount configurations with optional rack mount installation brackets. OptiScale's exceptional scaling and switching capabilities, integrated with the powerful features of Geometry Correction and Edge Blending, may be found in Silicon Optix's Image AnyPlace-EX and Image AnyPlace-BEX products.

APPLICATIONS

- Pro-AV Installation
- Staging and Special Events
- Home Theater

PHYSICAL AND ENVIRONMENTAL

- Dimensions: 15" x 8.5" x 1.75"
- Weight: 7lb
- Power: 100 - 250V, 47 - 63 Hz, 35W

FEATURES / SPECIFICATIONS

Advanced Functionality

- Advanced image scaling with 65-tap image filter
- VGA - SXGA+ inputs
- 720p and 1080i HD inputs
- Composite, S-video, and component SDTV inputs
- State-of-the-art de-interlacing for HDTV and SDTV
- Supports SECAM, PAL-60, 4.43 NTSC, PAL-M, and PAL-N international video standards
- Outputs to VGA, SVGA, XGA, 720p, SXGA and SXGA+ projectors
- Outputs to 852x480 and 1366x768 plasma displays
- Controlled Illumination on front panel
- Quiet operation
- Artifact-free quick switching between input channels

Flexibility and Ease of Use

- Magnify, scroll, and pan through all inputs
- Aspect ratio conversion for 16:9 and 4:3
- Control via front-panel, IR remote, or serial link
- Adjustments for contrast, brightness, gamma, hue, saturation, and color temperature
- Compact size - 1U height and rack-mountable

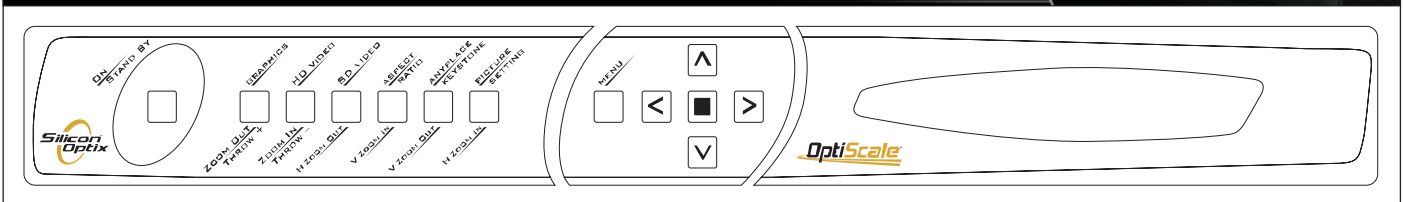
Sophisticated Software

- PC Loader (standard) enables field upgrades of firmware

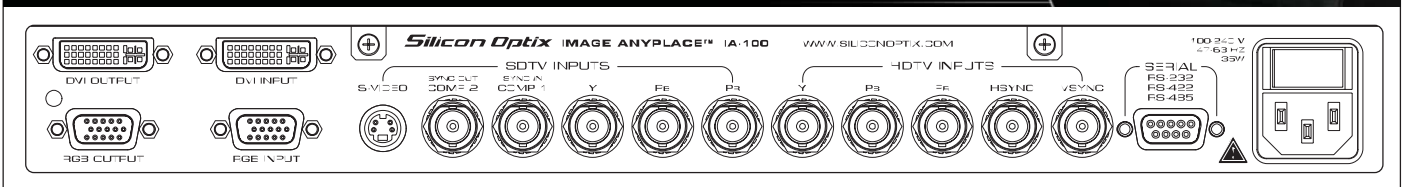



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OPTISCALE FRONT PANEL



OPTISCALE BACK PANEL



TYPICAL OPTISCALE APPLICATION



ORDERING OPTIONS

- | | | |
|---------------------------|-------------------|--|
| 1. OptiScale | P/N: OS-100 | Video/Graphics Scaler/Switcher. |
| 5. Cables | P/N: IA-100_CABLE | Optional package of cables. |
| 6. Rack-Mount Adapter Kit | P/N: IA-100_RM | Optional rack-mount installation brackets. |