



# UNIVERSAL VIDEO SCALER FORMAT CONVERTER

Today's rapidly changing technology marketplace poses a challenge to distributors that provide video related products and services. With the abundance of available and emerging formats and devices, there is a need for a universal and affordable product line that enables seamless integration, regardless of the video format.



## The Professional STUDIO VIDEO SCALER

This professional video scaler/video format converter can receive and select between 8 different video sources. Multiple zoom, aspect ratio, brightness/contrast/colour saturation, gamma correction, and picture enhancement settings can be adjusted for each video source. The Scaler will output the source video to a digital (HDMI/DVI) and to an analog HD Component or VGA device.

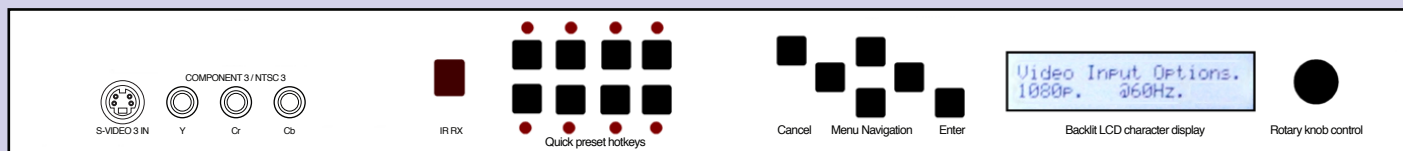
### Main features:

- Image aspect ratio correction, image zoom/size, video over-scan/under-scan compensation.
- Supports TV/HDTV, 480i, 480p, 720p (50/60/120), 1080i (50/60/120), 1080p (24/25/30/50/60).
- Motion adaptive de-interlacing with smart 3:2, 2:2 pull-down.
- Auto motion adaptive image enhancement, noise removal.
- Image Brightness/Contrast/Colour Saturation, Gamma control.
- Supports most PC Video modes from 640x480 up to 1920x1200.
- On-screen menu controls and 2x20 character backlit LCD display.
- IR/RF Remote control.

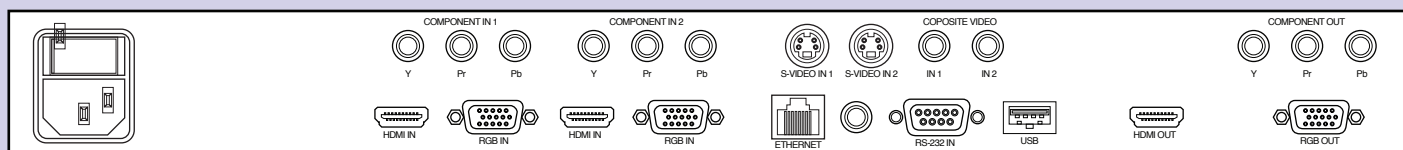
### Advanced features:

- USB or Ethernet interface for PC control and firmware upgrade.
- RS232 interface for external device control or Colour Calibration Optical Probe or stereo 3D shutter glasses.
- Optical feedback precision colour correction (Requires Colour Calibration Optical Probe, sold separately.)
- Built in calibration test images, (test for true pixel-by-pixel display and test for 4:4:4 vs 4:2:2 monitor.)

### FRONT PANEL



### REAR PANEL





vergent technologies

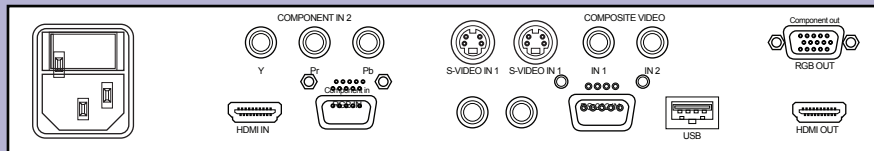
# Prosumer

## VIDEO SCALER/SCAN CONVERTER

The entry level product incorporates leading edge video processing technology that typically is only seen in professional grade AV equipment. This sophisticated scaler/scan converter utilizes a selection of unique filters that improve picture quality as well as accepting any video source format (analog or digital RGB), HDTV or NTSC input signal and converting that source to any data (RGB) or HDTV output.

### Main features:

- Processes a 30-bit video input and delivers a 30-bit video output.
- 3:2 and 2:2 pull down deinterlacing for 24 fps content.
- Compresses/stretchs image to any new size while maintaining accurate pixel perspective.
- Precise linear adjustable settings scale an image from 10% to 5000% without the usual black borders.
- Fading in/out transitions from source to source.
- Emboss and sharpen filters are employed to reinstate the fine details, especially text, usually lost when downsampling higher quality video.
- 8 user-programmable hot key settings that contain the information for the current video input and output sources.
- Optional backlit LCD character display.



Power requirements 120v @ 60Hz, 240v @ 50 Hz or optional 12v DC • Made in North America

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