

VP1000 VIDEO PROCESSOR



The VP1000 is a Dual-Zone Video Processor, Line-Rate Scaler and Video Switcher all in a single component that can be used with all brands and types of video displays, including plasma, LCD, DLP and others. The VP1000 features dual, independent SD/HD video processing and scaling which enables simultaneous support for two separate video displays (zones), each using the same or different video sources.

The VP1000 provides independent video adjustments for each display which are then saved for each input. All inputs on the VP1000 are assignable and include 4 HDMI, 6 Component Video, 6 S-Video and 6 Composite Video. The VP1000 provides one output for each input type for each of two video displays (zones). Control either or both zones via the front panel or IR remote and an RS232 port enables interface with various other control systems.

The VP1000 first up-converts all incoming video to 1080p then, if necessary, converts to match the native resolution of the video display. All scaling is performed entirely within the digital domain which prevents addition of artifacts.

Combining wide bandwidth (>300mHz) ultra-linear components, an advanced algorithm that adjusts both positive and negative gamma for enhanced black level and sophisticated digital edge enhancement that processes in both horizontal and vertical directions, the VP1000 delivers the highest quality image achievable.

- 2-Zone Video Switcher
- 2 Independent SD/HD Scalers
- Infrared Remote Control for 2 Zones
- 22 Inputs, HDMI, Component, S-Video and Composite Video Switching
- Parallel Composite Video Matrix Switching
- Digital Audio Output from HDMI Sources
- Permanent Memory for All System Calibration Settings
- Firmware Upgradeable
- RS232 Port

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2-ZONE VIDEO SWITCHER WITH INDEPENDENT SCALERS

Any and all 22 inputs are available for the main zone (Zone A, ZA), and the secondary zone (Zone B, ZB).

TWO SD/HD VIDEO SCALERS

Independent scalers convert the images to any display's native resolutions, with assignable analog and digital (HDMI) Inputs.

PARALLEL COMPOSITE VIDEO MATRIX SWITCHING

Unprocessed composite video input/outputs can be assigned to switch in parallel with scaled video. This allows non-HDCP SD video from a DVD player or other source to be viewed on a local monitor.

FOR THE CONSUMER'S PROTECTION

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ANALOG VIDEO SPECIFICATIONS

SIGNAL SYSTEM

NTSC, PAL

COMPONENT VIDEO INPUT/OUTPUT LEVEL

Y – 1.0Vp-p (75 Ohm)
PB – 0.648Vp-p (75 Ohm)
PR – 0.7Vp-p (75 Ohm)

COMPONENT VIDEO INPUT/OUTPUT RESOLUTION

720x480i thru 1920x1080i

COMPONENT VIDEO INPUT COLOR PROCESSING MODE

YPBPR

COMPONENT VIDEO OUTPUT COLOR PROCESSING MODE

YPBPR or RGBHV

S-VIDEO INPUT/OUTPUT LEVEL

Y – 1Vp-p (75 Ohm);
C – 0.286Vp-p (75 Ohm)

S-VIDEO INPUT/OUTPUT RESOLUTION

720x480i

COMPOSITE VIDEO INPUT/OUTPUT LEVEL

1Vp-p (75 Ohm)

COMPOSITE VIDEO INPUT/OUTPUT RESOLUTION

720x480i

DIGITAL VIDEO SPECIFICATIONS

SIGNAL SYSTEM AND VERSION

HDMI 1.1

HDMI INPUT/OUTPUT COLOR PROCESSING MODE

YCBCR or RGB

HDMI INPUT RESOLUTION

720x480i thru 1920x1080i*

*The VP1000 will accept a 1920x1080p input signal for processing and may be selected for either Zone A or Zone B HDMI Monitor Output (but not both simultaneously).

HDMI OUTPUT RESOLUTION

720x480i thru 1920x1080p

DIGITAL AUDIO SPECIFICATIONS

DIGITAL OUTPUT

Optical: -15dbm to -21dbm

GENERAL SPECIFICATIONS

POWER REQUIREMENTS

100, 110, 120, 220, 230 and 240 Volts,
50/60Hz at 50 watts.

OVERALL DIMENSION (H x W x D)

6" (15.2cm) x 17-1/2" (44.5cm) x 21" (45.7cm)
including the front panel, knobs and cables.

WEIGHT

21.1 pounds (9.59 kg) net
37.5 pounds (17.05 kg) in shipping carton