



Video and s-Video Scaler

VP-721DS

The Kramer VP-721DS is an NTSC or PAL video to RGBHV (pixel) scaler that converts video and s-video signals to three user-selectable pixel rates: VGA (640 x 480), SVGA (800 x 600) and XGA (1024 x 768). Integrated with adaptive film mode (3:2 pull-down detector provides clear and crisp de-interlacing video from 24Hz film), it offers significant enhancements when viewing movies on a large screen) and a digitally controlled vertical temporal filter (can remove jagged edges and other de-interlacing artifacts for video motion sequences). The VP-721DS is designed specifically to improve the quality of video by reducing chroma noise, digitally reprocess the signal to clean-up mastering errors and regenerate the video at a higher line and pixel rate format so that it will provide native-resolution video for LCD, DLP and Plasma displays. Our automatic static picture detector (SPD) uses a simple field merging technique to perform de-interlacing and is designed to optimize performance and resolution for static images (i.e. document cameras) or scenes with very little or no

motion. In some cases, the projector's scaling and video decoding circuits are good-enough for connecting video in environments such as boardrooms, conference rooms and training rooms, but in many cases, the projector doesn't have high-quality scaling and the high-quality of the VP-721DS can make a big difference. In addition, using a scaler like the VP-721DS simplifies system design by converting all video sources to a VGA-style format and allowing one signal type (i.e. RGBHV or VGA) to be routed to the projector or monitor. Because the VP-721 includes a VGA pass-through switch, as well as complete ProcAmp controls (i.e. color, hue, contrast, brightness, horizontal and vertical shift), auto-save setting functions, and 32-bit color sampling that features true-color and real-time image reproduction, it is the perfect entry-level scaler for systems integration in small and medium-sized systems.

The VP-721DS is housed in a 1U, rack-mountable metal enclosure with front panel LED indication adjustments.



TECHNICAL SPECIFICATIONS

INPUTS:	Composite video on a single-BNC connector (PAL or NTSC). s-Video on a 4-pin mini din connector. VGA / XGA pass through (HD15F).
OUTPUTS:	VGA (640 x 480 line doubled), SVGA (800 x 600), and XGA (1024 x 768). 1 RGBHV output on BNC connectors or VGA-style 15 pin HD output (switch selectable).
RESOLUTION:	Video to VGA (640 x 480), SVGA (800 x 600) and XGA (1024 x 768) compatibility with 32-bit color sampling.
FREQUENCY:	Input: 15-17 kHz. 50/60 Hz.; Output: 31.5, 37 or 48 KHz. 60 Hz.
IMPEDANCE:	All 75 .
DIMENSIONS:	48.2cm x 21cm x 4.5cm (19" x 8.25" x 1.75"), W, D, H. approx. (including rack ears).
POWER SOURCE:	100-240 Volt (50/60 Hz.) supply with IEC power connector.
WEIGHT:	2.3 kg. (5lbs) approx.
ACCESSORIES:	Includes one 4' (1.2m) composite video cable, one 4' (1.2m) s-Video cable, one 4' (1.2m) VGA 15 pin cable, user manual and an IEC power cable.