VP-723DS ProScale PHD7/VP-724DS ProScale PHD8
Seamless Switchers / Scalers

AUDIO	RS-232	CV	YC	YUV	DVI	UNBAL	YUV	VGA

The Kramer **VP-723DS** and **VP-724DS** are true multi-standard video to RGBHV scalers that convert video, s-Video, component video (SDTV and HDTV), VGA-through-UXGA, and DVI-D signals to ten user-selectable pixel rates: VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600X1200), 1024x852, 1024x1024, 1366x768, 1365x1024 and 1280x720. The VP-723DS has three additional output modes: 480p, 720p and 1080i in component format with tri-level sync. The machines also act as 7-input Seamless Presentation switchers. Both machines digitally reprocess the signal to correct mastering errors, and regenerate the video at a higher line and pixel rate format, providing native-resolution video for LCD, DLP and Plasma displays. Both models allow scaling of any graphics resolution to any other resolution (scaling for example, a VGA input to an UXGA output, or an SXGA input to an SVGA output, etc). The machines incorporate a unique graphics-scaling engine with image enhancement algorithms, which are built into the firmware.

The Kramer **VP-723DS** and **VP-724DS** are specifically designed to improve video quality by reducing Chroma noise. On top of that, they include a built in Picture-in-Picture inserter, allowing the insertion of any video source into a graphics background and vice versa, as well as allowing the inserted image to be sized and positioned anywhere on the screen. In addition, the PIP can display a Split-Screen (2 images side by side). Audio channels are switched in audio-follow-video mode. The unit can be controlled via front panel touch keys, Infra Red remote control, and RS-232. It features a user-friendly on-screen display for making the adjustments.

The **VP-723DS** and **VP-724DS** incorporate a full scale ProAmp for video and audio correction and enhancement, and offers 3:2/2:2 pull down. It is housed in a 19" 1U, rack-mountable metal enclosure and uses a universal 100-240VAC automatic power supply.
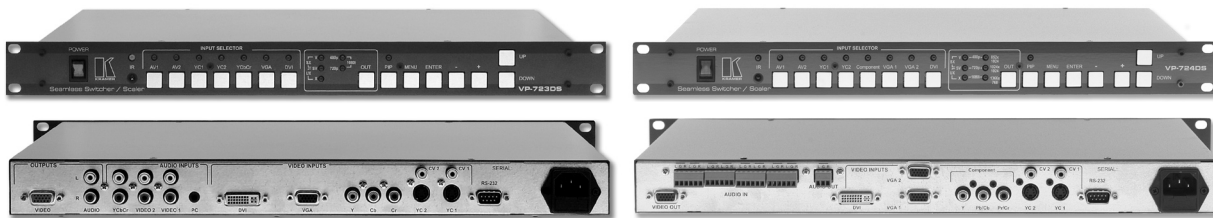
TECHNICAL SPECIFICATIONS

INPUT:	2 x CV 1Vpp/75Ω; on RCAs; 2x YC, Y=1Vpp/75Ω;, C=0.3Vpp/75Ω;, on 4p connectors; 1 x component (Y, Pb/Cb, Pr/Cr - both progressive and interlaced signals accepted) on RCA connectors; 1 x DVI-D; 2 x VGA on HD 15 connector (VGA through UXGA + HDTV). For each video input there is a corresponding (unbalanced) audio stereo input on a terminal block connector.
OUTPUTS:	1 x RGBHV (VGA) format/YPbP on an HD15 connector; component HDTV on same HD15 connector for 480p, 720p and 1080i for VP-723DS.
OUTPUT RESOLUTIONS:	VGA (640 x 480), SVGA (800 x 600), XGA (1024x768), SXGA (1280x1024), UXGA (1600 x 1200), 1024 x 852, 1024 x 1024, 1366 x 768, 1365 x 1024 and 1280 x 720. The VP-724DS also supports 480p, 720p, and 1080i.
CONTROL:	Front panel touch switches, IR remote control, RS-232 all with OSD. RS-232 on a DB-9 connector. Picture-In-Picture: Video in Graphics (or vice versa) in sizes up to quarter screen at any location, or Split Screen (2 images side-by-side).
ADDITIONAL CONTROLS:	Freeze, zoom, different selectable vertical refresh rates, ProAmp control, output image scaling and aspect ratio change.
POWER SOURCE:	100-240 VAC, 50/60 Hz, 30 VA.
DIMENSIONS:	19 " (W), 9.3" (D) 1 RU height.
ACCESSORIES:	IR remote control, power cord.
WEIGHT:	3 kg (6.6 lbs.) approx.

TYPICAL APPLICATIONS

- Projection systems in conference rooms, board rooms, auditoriums, hotels, churches.
- Any application where high quality conversion and switching of multiple and different video signals to graphical data signals is required for projection purposes.