



A Seamless Switcher / Scaler / PIP Inserter

VP-720DS

The Kramer VP-720DS and the VP-723DS are true multi-standard video to RGBHV (pixel) scalars that convert video, s-Video, component video, VGA-through-UXGA, and DVI 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. 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. The machines 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 machines 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 user to scale, zoom and locate the inserted image anywhere on the screen. Audio channels are switched in audio-follow-video mode. The machines can be controlled via front panel touch keys, Infra Red remote control, and RS-232. They feature a user-friendly on-screen display for making the adjustments.

The VP-720DS/VP-723DS incorporate a full scale ProcAmp for video correction and enhancement, and offer 3:2/2:2 pull down. The machines are housed in a 1U, rack-mountable metal enclosure and use a universal 100-240VAC automatic power supply.



TECHNICAL SPECIFICATIONS

INPUTS:	2x CV 1Vpp/75 on RCAs; 2x YC, Y=1Vpp/75, C=0.3Vpp/75, on "4P" connectors; 1x Component (Y, Cb, Cr) on RCAs; 1x DVI; 1x VGA on HD 15 connector (VGA through UXGA.) 3x audio stereo on RCAs, 1x PC audio on 3.5mm mini connector.
OUTPUTS:	1 x VGA/UXGA (additional modes: 480p, 720, 1080i with the VP-723DS) on HD 15 connector. RS-232 on a DB-9 connector.
OUTPUT RESOLUTIONS:	VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), 1024x852, 1024x1024, 1366x768, 1365x1024 and 1280x720. The VP-723DS also supports 480p, 720p, and 1080i.
CONTROL:	Front panel touch switches, IR remote control, RS-232 all with OSD.
ADDITIONAL CONTROLS:	Video in Graphics or vice versa, in sizes up to half screen, at any location on the screen.
POWER SOURCE:	Freeze, zoom, different vertical refresh rates, ProcAmp control, output image scaling and aspect ratio change.
DIMENSIONS:	100-240 VAC, 50/60 Hz, 30 VA.
ACCESSORIES:	19" (W), 9.3" (D) 1 RU height.
WEIGHT:	IR remote control, power cord.
	3 kg (6.6 lbs.) approx.