VP-747

8x2:3 ProScale™ In-CTRL™ Dual Scaler
Seamless Switcher

The VP-747 In-CTRL™ Dual Scaler Seamless Switcher is a true multi-standard scaler and seamless switcher with eight universal inputs comprised of five BNCs each, any of which can accommodate a composite video, s-Video (Y/C), component video (RGB/YUV), RGBS, or RGBHV signal. Inputs 1 and 2 also can be configured to HDMI/DVI inputs. The unit has dual scalers, one for the preview and the other for the program output. Dual scalers are required to do "true" seamless transitions from one source to another

FEATURES

HQV® Video Processing - HQV (Hollywood Quality Video) processing represents the stateoftheart in video processing technology, with the highest quality deinterlacing (with 3:2 & 2:2 pull down), noise reduction, and scaling performance for both standarddefinition and highdefinition signals

True Seamless Switching with FX - With the incorporation of two scalers, the unit can switch absolutely seamlessly between two live sources. Transitions include cut and fade plus numerous other effects each with multiple variations and speeds

Dual Scalers with Preview and Program Outputs - Perfect for live productions. Both preview and program signals are simultaneously output as RGBHV/YUV on sets of 5 BNC connectors, on 15pin connectors, and as HDMI (on DVI connectors)

K-IIT™ Picture-in-Picture Image Insertion Technology - Ultrastable pictureinpicture image insertion capability. Any video source can be inserted into a computer graphics video source and vice versa with positioning and sizing controls available to the user. A unique splitscreen mode is also available

Projector Anywhere™ Technology - Horizontal & vertical geometry controls to compensate for offaxis projector placement

HDTV Compatible

HDCP Compliant - The HDCP (High Definition Content Protection) license agreement allows copyprotected data on the HDMI/DVI inputs to pass only to the HDMI/DVI output

Companion Audio Switcher Available - The VP727ABA (balanced stereo) is a 8x2 audio companion switchers for the VP747. These units switch eight stereo audio inputs to the selected preview and program outputs

Take Button - Execute preview to program switching (with transition effect)

8 Universal Video Inputs - Each input has 5 BNCs which can be configured to accept composite video, sVideo (Y/C), component video (RGB/YUV), RGBS, or RGBHV signals. Inputs 1 & 2 can be switched to the DVII input connectors for HDMI or DVI signals. Embedded audio is passed by the DVII connector

Multiple Computer Graphics Output Resolutions - Up to WUXGA plus 4 userdefinable (custom) output resolutions with selectable refresh rates

HDTV Output Resolutions - 480p, 576p, 720p, 1080i and 1080p in component format on all output connectors

Multi-Standard - PAL, SECAM & NTSC (3.58/4.43)

Multiple Aspect Ratio Selections - 4x3 or 16x9, anamorphic, letterbox, and user definable settings

Built-In Time Base Corrector - Stabilizes video sources with unstable sync

Built-In ProcAmp - Color, hue, sharpness, contrast, and brightness are set individually for each input

Advanced Noise Reduction Features - Designed to improve video quality by reducing artifacts such as block, chroma and mosquito noise

Front Panel Lockout

Video Blanking - Blue or black screen selectable

Freeze Frame

Zoom - 100% to 400%

2 USB Ports - For firmware downloads

Flexible Control Options - Front panel buttons, IR. Remote (with onscreen menus), Ethernet, RS232, RS485, Tbar control via the VP747T

Worldwide Power Supply - 100240V AC

TECHNICAL SPECIFICATIONS

INPUT:	2 HDMI/DVI on DVI connectors (HDMI, HDCP 1.2); 8 sets of universal BNC connectors: R/Pr, G/Y/CV, B/Pb/C, Hs/Cs, and Vs, each programmable for use as CV, Y/C, RGB, YCbCr, YPbPr, RGBS or RGBHV
PREVIEW OUTPUT:	1 HDMI/DVI on DVI connector (HDMI, HDCP 1.2), 1 UXGA on a 15pin HD (F) connector, 1 RGBHV/YPbPr on BNC connectors
PROGRAM OUTPUT:	1 HDMI/DVI on DVI connector (HDMI, HDCP 1.2), 1 UXGA on a 15pin HD (F) connector, 1 RGBHV/YPbPr on BNC connectors
COMPUTER OUTPUT RESOLUTIONS:	640x480 60Hz, 640x480 75Hz, 800x600 50Hz, 800x600 60Hz, 800x600 75Hz, 832x624 75Hz, 852x480 60Hz, 1024x768 50Hz, 1024x768 60Hz, 1024x768 75Hz, 1280x720 60Hz, 1280x768 50Hz, 1280x768 60Hz, 1280x800 60Hz, 1280x1024 50Hz, 1280x1024 60Hz, 1280x1024 75Hz, 1366x768 50Hz, 1366x768 60Hz, 1400x1050 50Hz, 1400x1050 60Hz, 1440x900 60Hz, 1600x1200 50Hz, 1600x1200 60Hz, 1680x1050 60Hz, 1920x1080 50Hz, 1920x1080 60Hz, 1920x1200 60Hz, 480px60Hz, 576p, 720p 50Hz, 720p 60Hz, 1080i 50Hz, 1080i 60Hz, 1080p 50Hz, 1080p 60Hz, 1080p 24Hz (for HDMI), 480px59.94Hz, 720px59.94Hz, 1080ix59.94Hz, 1080px23.97Hz, 1080px29.97Hz, 1080px59.94Hz or one of 4 Custom resolutions
HDTV OUTPUT RESOLUTIONS:	480px60Hz, 576px60Hz, 720px50Hz, 720px60Hz, 1080ix50Hz, 1080ix60Hz, 1080px50Hz, 1080px60Hz, 1080p@24Hz,
CONTROLS:	Front panel buttons, highcontrast LCD, IR remote control, Ethernet, audio control, RS232, RS485, and optional Tbar remote controller
ADDITIONAL CONTROLS:	Freeze, zoom, different selectable vertical refresh rates, ProcAmp control, output image scaling, PictureInPicture and aspect ratio change
POWER CONSUMPTION:	100240V AC, 50/60Hz, 55VA
PRODUCT DIMENSION:	19" x 9.33 x 3U (43.6cm x 23.70cm 13.25cm) W, D, H
PRODUCT WEIGHT:	5.2kg (11.5lbs) approx
SHIPPING DIMENSION:	55.50cm x 34.20cm x 20.00cm (21.85" x 13.46" x 7.87") W, D, H
SHIPPING WEIGHT:	6.7kg (14.8lbs) approx
INCLUDED ACCESSORIES:	IR remote control, power cord, rack "ears", and nullmodem adapter
OPTIONS:	VP747T remote control console