Kramer VP-725NA 21-Input ProScale Presentation Digital Scaler/Switcher with Balanced Stereo Audio

DESCRIPTION

The VP-725NA is a presentation scaler/switcher with multiple signal format sections and balanced stereo audio. The unit has five independent 4x1 video sections: composite, s-Video (Y/C), component (YUV), computer graphics and HDMI, plus a single USB input. It also scales any video input up or down to a selectable graphics or HDTV output resolution and provides glitch-free switching between sources through FTB™ (fade-thru-black) switching technology.

- HQV® Video Processing - HQV (Hollywood Quality Video) processing represents the state-of-the-art in video processing technology, with the highest quality de-interlacing (with 3:2 & 2:2 pull down), noise reduction, and scaling performance for both standard-definition and high-definition signals.
- De-interlacing and Scaling - High-quality 3:2 and 2:2 pull down, de-interlacing and full up and down scaling of computer graphics video input signals.
- HDTV Compatible.
- HDCP Compliant - The HDCP (High Definition Content Protection) license agreement allows copy-protected data on the HDMI input to pass only to the HDMI output.
- Fade-Thru-Black (FTB™) Switching (Scaled Output) - The video fades to black and then the new input fades from black for smooth, glitch-free switching. The output signal provides constant sync so the display never glitches.
- K-IIT XL™ Picture-in-Picture Image Insertion Technology - Ultra stable picture-in-picture, picture-and-picture, and split screen capability. Any video source can be inserted into or positioned next to a computer graphics video source or vice versa with window positioning and sizing controls.
- Projector Anywhere™ Technology - Horizontal & vertical geometry controls compensate for off-axis projector placement.
- Enhanced HDMI Handling - For compatibility with newer operating systems such as Windows 7.
- Multi-Format - Auto, NTSC (3.58/4.43), PAL (M/N/60) & SECAM.
- 6 Switchers in 1 - Five dedicated signal formats: 4x1 composite, 4x1 s-Video (Y/C), 4x1 component (RGB/YUV), 4x1 computer graphics (15-pin HD), 4x1 HDMI and one 21x1:3 scaled output.
- USB Port - For importing JPEG files.
- Scaled Computer & HDTV Outputs - A single output signal in 3 formats (15-pin HD, 5 BNCs, and HDMI) simultaneously.
- HDTV Compatible Component Input.
- HDTV Output Resolutions - 720p, 1080i, and 1080p.
- Computer Graphics Output Resolutions - 23 plus 4 user-definable (custom) output resolutions with selectable refresh rates.
- Multiple Color Space - RGB or YUV output.
- Audio Inputs - Balanced stereo audio inputs, one for each of the 16 analog video inputs.
- Audio Outputs - Balanced stereo audio outputs for all 4 dedicated analog video formats and one for the scaled output. Embeds audio onto the scaled HDMI output.
- Mic Input - Condenser or dynamic with talk over, mix and override controls.
- Audio Level Control - Each input and output.
- Flexible Control - Front panel, IR Remote (with on-screen menus), Ethernet & RS-232.
- Worldwide Power Supply - 100-240V AC.
- Size - 19” (3U)

SPECIFICATIONS

INPUTS:	4 x CV 1Vpp/75ohm on BNC connectors; 4 x Y/C 1Vpp, (Y): 0.3Vpp (C)/75ohm on 4-pin connectors; 4 x component (Y/G, Pb/B, Pr/R or RGsB) on BNC connectors; 4 x VGA (VGA through UXGA, RGBS or RGsB2) on 15-pin HD connectors; 4 x HDMI on HDMI connectors.
GROUP OUTPUTS:	1 x CV 1Vpp/75ohm on a BNC connector; 1 x Y/C 1Vpp (Y): 0.3Vpp (C)/75ohm on a 4-pin connector; 1 x component (Y/G, Pb/B, Pr/R) on BNC connectors; 1 x VGA (VGA through UXGA) on a 15-pin HD connector; 1 x HDMI on an HDMI connector.
SCALED OUTPUTS:	1 x UXGA on a 15-pin HD connector; 1 x RGBHV/YPbPr on BNC connectors; 1 x HDMI on an HDMI connector.

OUTPUT RESOLUTIONS:	Native HDMI, 640x480@60Hz, 640x480@75Hz, 800x600@50Hz, 800x600@60Hz, 800x600@75Hz, 1024x768@50Hz, 1024x768@60Hz, 1024x768@75Hz, 1280x768@50Hz, 1280x768@60Hz, 1280x720@60Hz, 1280x800@60Hz, 1280x1024@50Hz, 1280x1024@60Hz, 1280x1024@75Hz, 1366x768@50Hz, 1366x768@60Hz, 1400x1050@50Hz, 1400x1050@60Hz, 1600x1200@50Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz, 480p@60Hz, 576p@60Hz, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz, 1080p@60Hz, 1080p@24Hz or custom.
AUDIO INPUTS:	16 balanced stereo audio on terminal block connectors, 4dBu nominal; 1 microphone on a female XLR connector.
AUDIO OUTPUTS:	5 balanced stereo audio on terminal block connectors, 4dBu nominal.
CONTROL:	Front panel buttons, IR remote control, RS-232, Ethernet; with OSD and front panel LCD.
ADDITIONAL CONTROLS:	Freeze, zoom, selectable vertical refresh rates, output image scaling, picture-in-picture, aspect ratio change, geometry settings, text overlay, and so on.
POWER SOURCE:	100-240V AC, 50/60Hz, 38VA.
DIMENSIONS:	19" x 9.3" x 3U W, D, H, rack mountable.
WEIGHT:	5.5kg (12.2lbs) approx.
ACCESSORIES:	IR remote control, power cord, rack “ears”, null-modem adapter, control application programs via RS-232 (PC) and via Ethernet (i-Phone® and PC).