



# KRAMER

## VP-796A

HQUltra 4K60 4:2:0/HDBaseT & Legacy  
Presentation Switcher/Scaler with UltraFast  
Input Switching & Analog Audio

| HDMI | Ethernet - RJ-45 | HDCP Compliant  
| AV Award | HDBaseT



VP796A is a universal 4K@60Hz (4:2:0) presentation scalerswitcher for HDMI, DisplayPort, HDBaseT, VGA, composite and DVIU video signals and analog audio. Its HQUltraFast technology switches in typically a quarter of a second

## FEATURES

- HQUltra Scaling** - Lowlatency, 4K UHD bestinclass, proprietary scaling algorithms
- HQUltraFast Switching** - Proprietary technology for typical 0.25 second input channel switching
- HDCP Compliant**
- Resolution Support** - Up to 4K@60Hz (4:2:0) UHD
- Ease of Setup** - Front panel jogwheel and LCD display for fast easy setup in the field
- Color Calibration** - For all source types including RGB controls, saturation & hue
- Pan-Tilt-Zoom Control**
- Built-in Test Patterns** - For easy projector setup
- Supports Customized Video Logo**
- Flexible Aspect Ratio Conversion**
- Audio Handling** - Audio deembed from HDMI, DisplayPort, and HDBaseT inputs to analog and S/PDIF; reembed to HDMI and HDBaseT outputs
- Analog Audio** - Up to 8 unbalanced stereo inputs, two microphone inputs with phantom power and an audio mixer
- Speaker Outputs** - Stereo audio power amplifier supporting 15W+15W RMS loudspeaker outputs, separate stereo balanced line level audio outputs for external amplifier systems
- Multiple Outputs** - For local monitoring of live output feed
- Flexible Control Options** - Front panel buttons and jog wheel with LCD, RS232, Ethernet with builtin Web pages and via API
- USB Connectors** - For firmware upgrading



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## TECHNICAL SPECIFICATIONS

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VIDEO INPUTS:	1 HDBT on an RJ45 connector, 1 DisplayPort connector, 2 HDMI (4K UHD) connectors, 1 HDMI (HD) connector, 1 DVIU (DVI/HDMI & VGA/RGBS/YPbPr), 1 VGA on a 15pin HD connector, 1 CV on an RCA connector
AUDIO INPUTS:	2 microphones on 6mm mini jacks, 1 CV stereo on RCA connectors (R, L), 7 unbalanced stereo on 3.5mm jacks
OUTPUTS:	1 HDBT on an RJ45 connector, 1 HDMI connector, 1 DVI/HDMI on a DVII connector, 1 S/PDIF on an RCA connector
AUDIO OUTPUTS:	Speaker on a 4pin terminal block, line out on a 5pin terminal block, S/PDIF on an RCA connector
PORTS:	1 RS232 on a 9pin Dsub connector, 1 LAN on an RJ45 connector, 2 USBA connectors
COMPONENT VIDEO INPUT FORMATS:	484i (480i) and 576i (SD), 480p, 576p (ED), 720p, 1080i @50, 59.94 and 60Hz and 1080p @23.98, 24, 25, 29.97 and 30Hz
HDMI/DVI SIGNAL FORMATS:	SD: 625i (576i) and 525i (480i) in doublerate formats; ED: 480p, 576p; HD: 1280x720p, 1920x1080i, 1920x1080psf; 1920x1080p 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz; 2048x1080p 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz. The 4k capable HDMI 1 and HDMI 2 inputs also support: 3840x2160p & 4096x2160p 23.97, 24, 25, 29.94, 30, 50, 59.94 & 60Hz (50, 59.94 & 60Hz supported in YUV 4:2:0 colour space format)
OUTPUT RESOLUTIONS:	640x480, 800x600, 1024x768, 1280x768, 1280x800, 1280x1024, 1400x1050, 1600x1200, 1920x1200, 480i, 576i, 480p, 576p, 1080i, 720p (default after reset), 1080p, 2024x1080, 2560x1080, 2560x1440, 2560x1600, 3860x2160, 4096x2160
FRAME RATE:	60Hz, 59.94Hz, 50Hz, 48Hz, 25Hz, 24Hz, 23.97Hz, auto
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE:	40° to +70°C (40° to 158°F)
HUMIDITY:	10% to 90%, RHL noncondensing
PRODUCT DIMENSION:	19" x 7.20 x 1U (43.6cm x 18.30cm 4.36cm) W, D, H
PRODUCT WEIGHT:	2.7kg (6.0lbs) approx
SHIPPING DIMENSION:	0.00cm x 0.00cm x 0.00cm (0.00" x 0.00" x 0.00" ) W, D, H
SHIPPING WEIGHT:	3.8kg (8.3lbs) approx
POWER CONSUMPTION:	100264V AC, 50/60Hz
STANDARDS COMPLIANCE:	CE: 2004/108/EC Electromagnetic Compatibility Directive, and 2006/95/EC Low Voltage Directive. Compliance is to EN55022 Class A
INCLUDED ACCESSORIES:	Power cord, Rack "ears"

