VP-796
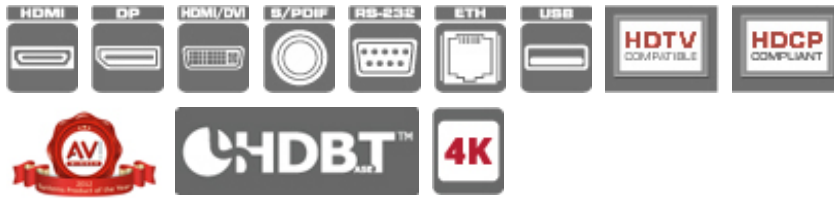
HQUltra 9−Input 4K UHD HDBaseT and Legacy Presentation Switcher / Scaler with Ultra−Fast Input Switching

The VP−796 is a universal 4K UHD presentation scaler−switcher for HDMI, DisplayPort, HDBaseT, VGA, composite, and DVI−U signals. Its HQUltraFast technology switches in typically a quarter of a second.

FEATURES

- **HQUltra Scaling** - Low−latency, 4K UHD best−in−class, proprietary scaling algorithms.
- **HQUltraFast Switching** - Proprietary technology for typical 0.25 second input channel switching.
- **HDCP Compliant.**
- **Resolution Support.** - Up to (4:2:0) UHD.
- **Ease of Setup** - Front panel jog−wheel and LCD display for fast easy set−up in the field.
- **Superior De-Interlacing** - Reduces image flicker and artifacts.
- **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 de−embed from HDMI, DisplayPort, and HDBaseT inputs to S/PDIF; re−embed to HDMI, and HDBaseT outputs.
- **Multiple Outputs** - For local monitoring of live output feed.
- **Flexible Control Options** - Front panel buttons and jog wheel with LCD, RS−232, Ethernet with built−in Web pages and via API.
- **USB Connectors** - For firmware upgrading.

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDBT on an RJ−45 connector, 1 DisplayPort connector, 2 HDMI (4K UHD) connectors, 1 HDMI (HD) connector, 1 DVI−U (DVI/HDMI & VGA/RGBS/YPbPr), 1 VGA on a 15−pin HD connector, 1 CV on an RCA connector.
OUTPUTS:	1 HDBT on an RJ−45 connector, 1 HDMI connector, 1 DVI/HDMI on a DVI−I connector, 1 S/PDIF on an RCA connector.
PORTS:	1 RS−232 on a 9−pin D−sub connector, 1 LAN on an RJ−45 connector, 2 USB−A 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 double−rate 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 non−condensing.
POWER CONSUMPTION:	100−264V AC, 50/60Hz.
DIMENSIONS:	19" x 9.3" x 1U (W, D, H) rack mountable.
WEIGHT:	2.7kg (5.9lbs) approx.
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", IR remote control.