



VP-797A

HQUltra 11-Input 4K60 4:2:0 HDBaseT and Legacy Presentation Switcher / Scaler with Ultra-Fast Input Switching, Analog Audio, 3G HD-SDI & Genlock



The VP-797A is a universal 4K@60Hz (4:2:0) presentation scaler-switcher for HDMI, DisplayPort, HDBaseT, VGA, composite, DVI-U and 3G HD-SDI signals and analog audio. 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 4K@60Hz (4:2:0) UHD.
- Ease of Setup - Front panel jog-wheel and LCD display for fast easy set-up in the field.
- Genlock Input - For live events and professional broadcast installations.
- 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 3G HD-SDI, HDMI, DisplayPort, and HDBaseT inputs to analog and S/PDIF; re-embed to 3G HD-SDI, 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.
- Picture-in Picture.
- 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

VIDEO 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, 2 3G HD-SDI on BNC connectors, 1 genlock sync.
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 RJ-45 connector, 1 HDMI connector, 1 DVI/HDMI on a DVI-I connector, 1 3G HD-SDI on a BNC connector.
AUDIO OUTPUTS:	Speaker on a 4-pin terminal block, line out on a 5-pin terminal block, 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, 65W.
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".
PRODUCT DIMENSIONS:	19" x 7.20 x 1U (43.6cm x 18.30cm x 4.36cm) W, D, H
PRODUCT WEIGHT:	2.7kg (6.0lbs) approx.
SHIPPING DIMENSIONS:	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.