VP-796

HQUltra 4K60 4:2:0/HDBaseT & Legacy
Presentation Switcher/Scaler with Ultra-Fast
Input Switching

| HDMI | Ethernet - RJ-45 | HDCP Compliant
| AV Award | HDBaseT | 4K/60 UHD (4:2:0)

VP-796 is a universal 4K@60Hz (4:2:0) presentation
scaler-switcher for HDMI, DisplayPort, HDBaseT,
VGA, composite and DVI-U video 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 4K@60Hz (4:2:0) UHD

Ease of Setup - Front panel jog-wheel and LCD display for fast easy set-up 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 de-embed from HDMI, DisplayPort, and HDBaseT inputs to S/PDIF; re-embed to HDMI, and HDBaseT outputs

Multiple Mirrored 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 BMC 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 color 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
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 Dimension	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 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

From
TP-580TXR

VGA

DP

DVD Player
(DP)

Computer
Graphics Source

HDMI

DVD Player
(HDMI)

DVI

Computer
Graphics Source

To
TP-580RXR

HDMI

DVD Player
(HDMI)

CV

DVD Player 1
(Composite)

DVI

Projector

Eth

Network

HDMI

LCD
Display