VP-424C

18G 4K HDMI to HDMI ProScale™ Digital
Scaler with HDMI and USB−C Inputs

| HDMI | 4K/60 UHD (4:4:4)
| HDCP 2.2 Compatible

VP−424C is a high−performance digital scaler for HDMI and USB type−C signals. The unit up− or down−scales the selected video signal to resolutions up to 4K@60Hz (4:4:4) at a maximum data rate of 18Gbps (6Gbps per graphic channel). The user selects the HDMI or USB type−C input and the scaled output is sent to the HDMI output

FEATURES

High–Performance Professional Scaler - Up–scales or down–scales HDMI and USB type−C signals to any resolution up to 4K@60 (4:4:4). The scaler supports HDMI 2.0 and HDCP 2.2/1.4, and features Input Auto–Switching, Constant Sync on the output even if the input video signal is lost or interrupted, and a built–in ProcAmp for convenient signal adjustment

Fast, Smooth Manual and Auto Switching Between Sources - Select the HDMI or USB Type−C input, or, if no input is selected, the active source is automatically selected

EDID Handling - Reading and storage of the video acceptor's EDID

Convenient Control - Control the unit using an OSD (On–Screen Display) via front panel buttons and input selector, video freeze and resolution reset front panel buttons. Additionally, connect to the contact closure connector for remote switching of sources. All settings are saved in non–volatile memory

User-Friendly Operation - LED indicator for active input and for power status. Local firmware upgrade via the USB type–A port ensures lasting, field–proven deployment

Easy Installation - Compact MegaTOOLS® fan−less enclosure for surface mounting or side−by−side mounting of 2 units in a 1U rack space with the recommended rack adapter

TECHNICAL SPECIFICATIONS

Inputs	1 HDMI: On a female HDMI connector
	1 USB-C: On a female USB−C connector (DP Alternate Mode)
Outputs	1 HDMI: On a female HDMI connector
Ports	Contact Closure Switches: On a 3−pin terminal block
	USB: On a USB−A connector for firmware upgrade
Video	Max. Input Resolution: 4K@60Hz (4:4:4)
	Max. Data Rate: 18Gbps (6Gbps per graphic channel)
	Input Resolutions: 480i/576i, 480p/576p, 720p@60/50Hz, 1080i@60/50Hz, 1080p@24/25/30/50/60Hz, 640x480@60/67/72/75/85Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1280x1024@60/75Hz, 1280x720@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1600x1200@60Hz, 1600x900@60 RB, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60 RB, 2048x1080@24/25/30/50/60Hz, 2560x1440@60 RB, 2560x1600@60 RB, 4K/2K@50/60Hz (4:2:0), 4K/2K@24/25/30/50/60Hz (4:4:4)
	Output Resolutions: 640x480@60Hz, 720x480p@60Hz, 720x576p@50Hz, 800x600@60Hz, 1024x768@60Hz, 1280x1024@60Hz, 1280x720@60Hz, 1280x720p@50/60Hz, 1280x768@60Hz, 1280x800@60Hz, 1360x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1080p@24/25/30/50/60Hz, 1920x1200 RB@60Hz, 2048x1080@50/60Hz, 2560x1080p@50/60Hz, 2560x1440 RB@60Hz, 2560x1600 RB@60Hz, 4K/2K@24/25/30/50/60Hz
	Latency: 1−2 frames
	Content Protection: HDCP 2.2 & 1.4
User Interface	Controls: Input selection and resolution reset front panel buttons, OSD menu
	Indicators: Selected input and power LEDs
Power	Source: 5V DC
	Consumption: 1.8A
Enclosure	Size: MegaTOOLS®
	Type: Aluminum
	Cooling: Convection ventilation
Environmental Conditions	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
Accessories	Included: Power adapter, bracket set, rubber feet
Product Dimension	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
Product Weight	0.5kg (1.2lbs) approx
Shipping Dimension	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
Shipping Weight	1.1kg (2.4lbs) approx

USB-C   HDMI™   GND   5V DC

USB-C IN   HDMI™IN   HDMI™OUT   REMOTE

USB-C   HDMI   HDMI

Laptop   Blu-ray
Player   Display   Contact
Closure Switches