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VP-426C

18G 4K HDR HDMI ProScale™ Digital Scaler
with HDMI, USB-C and VGA Inputs

| HDMI | 4K/60 UHD (4:4:4)



VP-426C is a high-performance digital scaler for HDMI, USB Type-C and computer graphics signals. The unit up- or down-scales the selected video signal to resolutions up to 4K@60 (4:4:4) at a maximum data rate of 18Gbps (6Gbps per graphic channel). The user selects the HDMI, USB Type-C, or VGA input and the scaled output is sent to the HDMI output

FEATURES

High-Performance Professional Scaler - Up-scales or down-scales HDMI, USB type-C and VGA signals to any resolution up to 4K@60 (4:4:4). The scaler supports HDR10 and CEC as specified in 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, USB Type-C or VGA input, or configure the device to automatically select the active source

Flexible Analog Audio Embedding and Extraction (De-embedding) - The user can select the unbalanced analog audio input to embed into the HDMI output signal. On the output, the user can select to extract the audio signal and output it as balanced analog audio

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 each 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



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TECHNICAL SPECIFICATIONS

Inputs	<p>1 HDMI: On a female HDMI connector</p> <p>1 USB-C: 1 USB-C: On a female USB-C connector (DP Alternate Mode)</p> <p>1 Computer Graphics (VGA): On and 15-pin HD connector</p> <p>1 Unbalanced Stereo Audio: On a 3.5mm mini jack</p>
Outputs	<p>1 HDMI: On a female HDMI connector</p> <p>1 Balanced Analog Stereo Audio: On a 5-pin terminal block</p>
Ports	<p>4 Contact Closure Switches: On a 4-pin terminal block</p> <p>1 USB: On a USB-A connector for firmware upgrade</p>
Video	<p>Max. Input Resolution: 4K@60 (4:4:4)</p> <p>Max. Data Rate: 18Gbps (6Gbps per graphic channel)</p> <p>Input HDMI/USB-C Resolutions: 480i/576i, 480p/576p, 640x480@60/67/72/75/85Hz, 720p@50/60Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1080i@50/60Hz, 1080p@24/25/30Hz, 1080p@50/60Hz, 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, 2560x1600@60 RB, 2560x1440@60 RB, 4K/2K@50/60Hz (4:2:0), 4K/2K@24/25/30/50/60Hz (4:4:4)</p> <p>Input VGA Resolutions: 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</p> <p>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@50/60Hz (4:2:0), 4K/2K@24/25/30/50/60Hz (4:4:4)</p> <p>Latency: 1-2 frames</p> <p>Content Protection: HDCP 2.2 & 1.4</p>
User Interface	<p>Controls: Input selector, video freeze and resolution reset front panel buttons, OSD menu</p> <p>Indicators: Selected input and power LEDs</p>
Power	<p>Source: 5V DC</p> <p>Consumption: 2.4A</p>
Enclosure	<p>Size: MegaTOOLS®</p> <p>Type: Aluminum</p> <p>Cooling: Convection ventilation</p>
Environmental Conditions	<p>Operating Temperature: 0° to +40°C (32° to 104°F)</p>

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 Dimensions 18.75cm x 14.50cm x 2.54cm (7.38" x 5.71" x 1.00") W, D, H

Product Weight 0.7kg (1.5lbs) approx

Shipping Dimensions 34.40cm x 20.90cm x 6.80cm (13.54" x 8.23" x 2.68") W, D, H

Shipping Weight 1.3kg (2.8lbs) approx

