TransVue HDMI 4K2K Scaler

UPSCALE AND DOWNSCALE HDMI

► Upscales HDMI 1080p to 4K2K, or downscales HDMI 4K2K to 1080p

► Supports 4096×2160, 3840×2160 and 1080p video resolutions

► Splits the HDMI video input across two output ports, one scaled and the other bypass

► Utilizes a bypass switch to assign the video input for either video upscaling or video downscaling

► Features HDCP and CEC support

► Indicator LED's show the input signal as either 4K2K or 1080p

Features and Benefits

■ Supports HDMI video upscale to 4K2K, or downscale to 1080p@24Hz

■ Supports native HDMI signal bypass to one display

■ Simultaneously displays upscaled or downscaled and native HDMI outputs through scaled and bypass ports

■ 1080p supports 24/25/30Hz video refresh rates

■ 4K2K supports 4096×2160p@24 Hz and 3840×2160p@24/25/30 Hz video refresh rates

■ Easily integrate 4K2K video into an HDMI system design, or integrate 1080p into a 4K2K system design

■ Output an UltraHD HDMI source on a standard TV/monitor or an HDMI 1080p source on a 4K2K TV/flat panel display

■ Easy to install and use, requires only a power supply and HDMI cables

Product Overview

The TransVue HDMI 4K2K Scaler is an invaluable device for easily integrating 1080p video into HDMI 4K2K UltraHD system design or alternatively, integrating HDMI 4K2K video into 1080p system designs.

You can quickly set up this device to upscale or downscale between the HDMI HD2K and UltraHD 4K video formats. This compact 2-port device has one port for scaled video output and a second bypass port for unscaled native video output.

The bypass port enables the video input resolution to be viewed on a local monitor for comparison against the scaled video output. Both video output ports can be direct connected to monitors, or to video extenders, matrix switches, video walls, multiviewers or other video distribution systems.
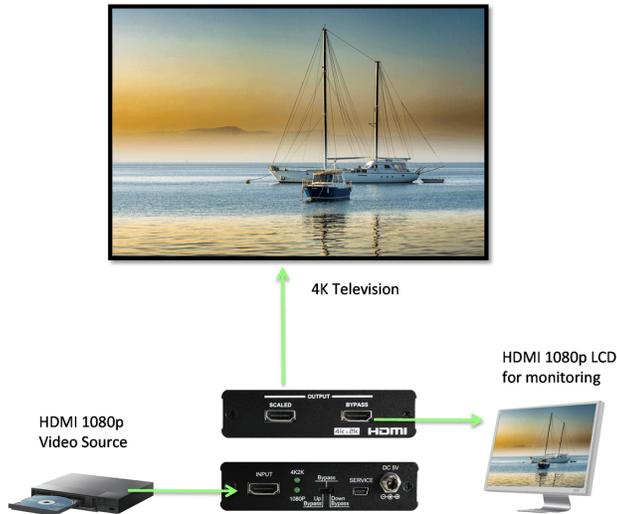

TransVue HDMI 4K2K Scaler front panel

TransVue HDMI 4K2K Scaler rear panel

ROSE ELECTRONICS

WWW.ROSE.COM

Typical Application

4K Television

HDMI 1080p LCD for monitoring

HDMI 1080p Video Source

Installation   This product is quick and easy to install. Power off all the video sources and monitors, then connect the HDMI cables from the HDMI 4K2K Scaler to the peripherals. Set the bypass switch for video upscale or video downscale. Next, power on the HDMI Scaler, followed by the monitor and the video sources. When the input video signal is detected, the corresponding LED will illuminate.

EDID Management   Video EDID is detected when the system is powered on. If either display monitor is replaced, the HDMI 4K2K Scaler will need to be repowered so that it can acquire the new EDID information.

Specifications

Dimensions (W x D x H)	4.0" x 4.0" x 1.0" 101.6 x 101.6 x 25.4` mm
Weight	0.6 lbs (0.225Kg)
Power	100-240 VAC, 50-60Hz, +5VDC 2.5A
Video resolutions supported	1080p@25/25/30Hz 4K2K supports 4096×2160p@24Hz and 3840×2160p@24/25/30Hz 3D capable, but does not support 3D scaling
Video bandwidth	300MHz/9Gbps
HDMI cable	5ft or 10ft HDMI cables recommended, maxim 15ft In/Out, 24/26AWG
Scaler bypass switch	Set to Bypass-Up or Bypass-down depending on source video
Indicator LED's	4K2K LED: Illuminates when the input source signal is 4K2K 1080p LED: Indicates when the input source signal is 1080p
Audio support	LPCM 7.1ch, Dolby TrueHD, Dolby DigitalPlus, DTS-HD Master
Connectors	Input: 1×HDMI Type A 1×Mini USB service port 1×5VDC power jack Output: 1×HDMI Type A scaled video port 1× HDMI Type A bypass video port
Environment	Operating temp: 32°F – 104°F (0°C – 40°C) Storage temp: -4°F – 140°F (-20°C – 60°C) Rel. humidity: 20% to 90% non-condensing
Approvals	FCC, CE, RoHS

Part numbers

CNV-UHD-HD/SC	TransVue, HDMI 4K2K Scaler
CAB-HDMIMM006	HDMI male to male cable, 6ft (2.0m)
CAB-HDMIMM010	HDMI male to male cable, 10ft (3.0m)

WWW.ROSE.COM ▪ **sales@rose.com** ▪ **(800) 333-9343**

Rose Electronics ▪ 10707 Stancliff Road ▪ Houston, Texas 77099
Rose USA (281) 933-7673 ▪ Rose Europe +49 (0) 2454 969442
Rose Asia +65 6324 2322 ▪ Rose Australia +61 (0) 421 247083
datasheet-transvue-hdmi-4k2k-scaler-2018-05-16.docx

ROSE ELECTRONICS
WWW.ROSE.COM