

Translator HDMI 4K2K Scaler

2 Port UltraHD 4K2K Scaler

ROSE.COM

HDMI 4K2K Scaler

User Manual



LIMITED WARRANTY

Rose Electronics® warrants the Translator 4K2K Scaler to be in good working order for one year from the date of purchase from Rose Electronics or an authorized dealer. Should this product fail to be in good working order at any time during this one-year warranty period, Rose Electronics will, at its option, repair or replace the Unit as set forth below. Repair parts and replacement units will be either reconditioned or new. All replaced parts become the property of Rose Electronics. This limited warranty does not include service to repair damage to the Unit resulting from accident, disaster, abuse, or unauthorized modification of the Unit, including static discharge and power surges.

Limited Warranty service may be obtained by delivering this unit during the one-year warranty period to Rose Electronics or an authorized repair center providing a proof of purchase date. If this Unit is delivered by mail, you agree to insure the Unit or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location, and to use the original shipping container or its equivalent. You must call for a return authorization number first. Under no circumstances will a unit be accepted without a return authorization number. Contact an authorized repair center or Rose Electronics for further information.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE, AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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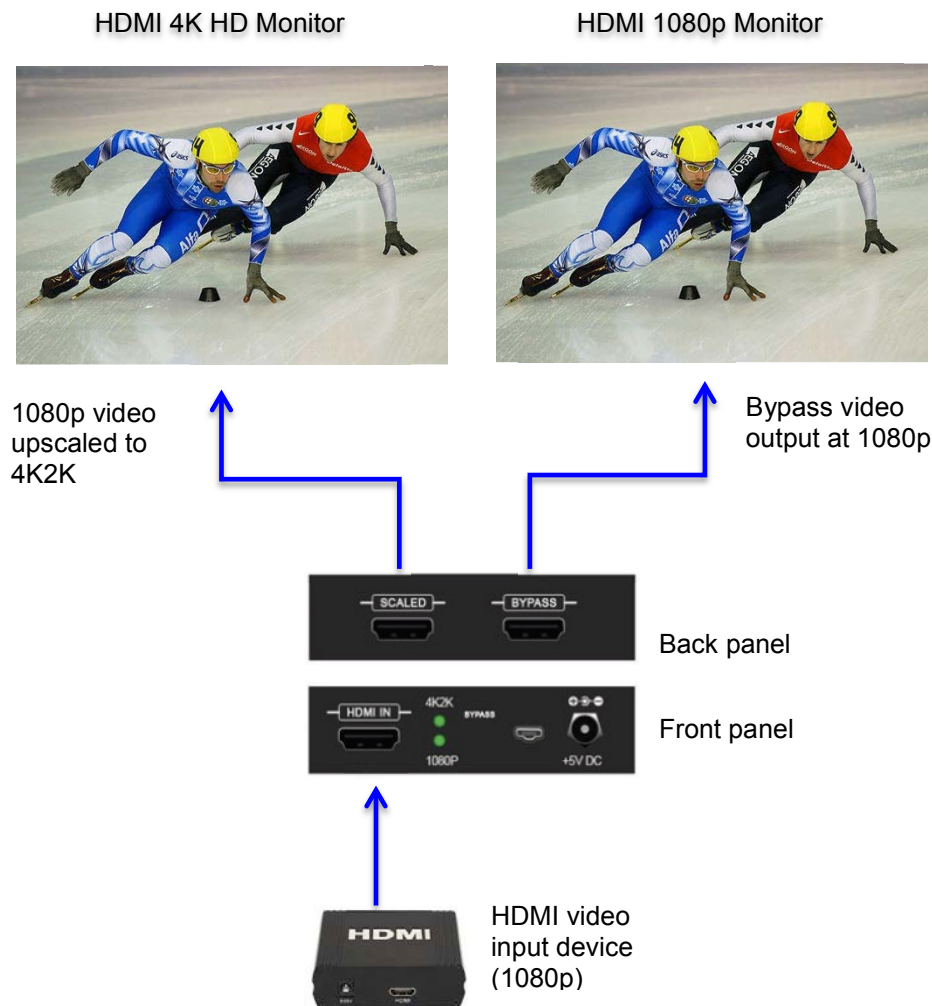
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General Description

Thank you for choosing the Rose Electronics® HDMI 4K2K Scaler. It is the HDMI Scaler of choice for upscaling or downscaling between the HDMI HD 2K and UltraHD 4K video formats. This compact 2-port device has one port for scaled video output and a second port for unscaled native video output



Features

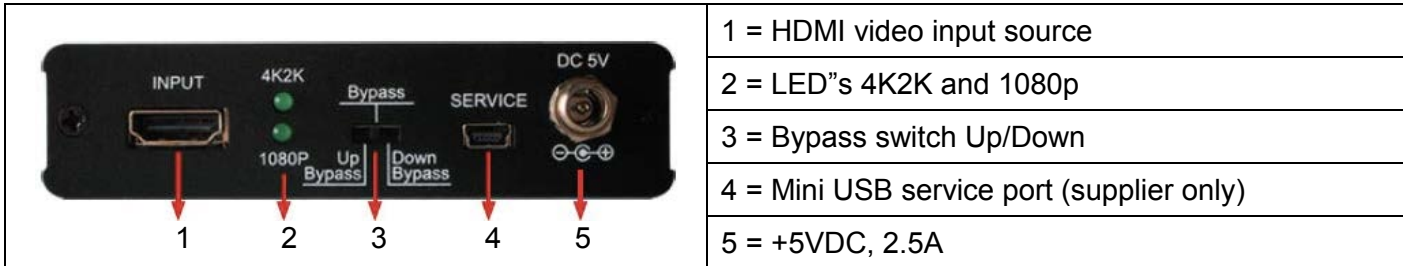
- Supports HDMI video upscale to 4K2K, or downscale to 1080p@24Hz
- Supports native HDMI signal bypass to one display
- Simultaneously displays upscaled/downscaled and native HDMI outputs through scaled and bypass ports
- Utilizes a bypass switch to assign the video input for either video upscaling or video downscaling
- 1080p supports 24/25/30Hz video refresh rates
- 4K2K supports 4096×2160p@24Hz and 3840×2160p@24/25/30Hz video refresh rates
- Easily integrate 4K2K video into an HDMI system design, or integrate 1080p into a 4K2K system design
- Outputs an UltraHD HDMI source on a standard TV/monitor
- Outputs an HDMI 1080p source on a 4K2K TV/flat panel display
- Easy to install and use, requires only a power supply and HDMI cables

INSTALLATION AND OPERATION

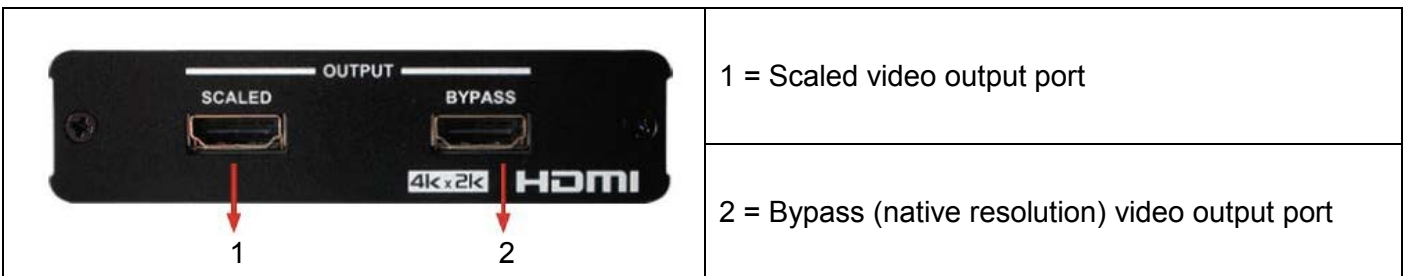
Installation

Please follow these steps to set up and operate the HDMI 4K2K Scaler:

1. Power off all video sources (PC, STB, BLURay, video server) and monitors
2. Connect the HDMI video source cable to the input port (4K@24Hz, 3840×2160@24/25/30Hz or 1080p)
3. Connect the HDMI output ports to the HDMI displays
4. Connect the provided +5VDC external PSU to the Scaler device and power on
5. Power on the HDMI video source and the two monitors
6. When the video input is detected, the corresponding LED will illuminate



HDMI 4K2K Scaler – Front Panel (input)



HDMI 4K2K Scaler – Rear Panel (output)

EDID Management

Video EDID is detected provided the displays and the video source are connected when the system is powered on. If either display monitor is replaced, the HDMI 4K2K Scaler will need to re-powered so that it can acquire the new EDID information

Troubleshooting

No Video Image

- Check that all HDMI cables are firmly connected
- Check that the HDMI displays support either HD4K2K or 1080p
- Check that the front panel LED is illuminated (either 4K2K or 1080p, depending on the source video)
- Make sure the Bypass switch is correctly set
- Use only the supplied 5V external Power supply

No 4K2K Image

- Ensure the 1080p display supports 24/25/30Hz
- Ensure the 4K2K display supports 4096×2160p@24Hz and 3840×2160p@24/25/30Hz
- Up/Bypass and Down/Bypass modes do not support 3D video
- Other video resolution not listed in this document will use bypass mode

SPECIFICATIONS

General Specification

Item	Description	
Part Number	CNV-UHD-HD/SC	
Chassis dimension (W x D x H)	3.75 in x 3.15 in x 1.0 inch (95 mm x 80 mm x 25 mm)	
Weight	0.6 lbs / 225g	
Power	100-240VAC, 5V2.5A, external power adapter (included)	
Video resolution	1080p@24/25/30Hz 4K2K supports 4096x2160p@24Hz and 3840x2160p@24/25/30Hz 3D capable, but does not support 3D scaling	
Video frequency	300MHz/9Gbps	
HDCP and CEC	Supported	
HDMI cable	5ft or 10ft HDMI cables recommended, maximum 15ft In/Out 24 / 26 AWG	
Indicator LED's	4K2K LED: illuminates when the input source signal is 4K2K 1080p LED: illuminates when the input source signal is 1080p	
Audio support	LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio	
Scaler bypass switch	Set to Bypass-Up or Bypass-Down depending on source video	
Connectors	Front Panel	Rear Panel
	1 x HDMI Type A 1 x Mini USB service port 1 x +5VDC power jack	1 x HDMI A scaled video port 1 x HDMI A bypass video port
Environment	Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: -4°F to 140°F (-20°C to 60°C) Relative humidity: 20% - 90% non-condensing	
Approvals	FCC, CE, RoHS	

Maintenance and Repair

This Unit does not contain any internal user-serviceable parts. In the event a Unit needs repair or maintenance, you must first obtain a Return Authorization (RA) number from Rose Electronics or an authorized repair center. This Return Authorization number must appear on the outside of the shipping container.

See Limited Warranty for more information.

When returning a Unit, it should be double-packed in the original container or equivalent, insured and shipped to:

Rose Electronics
Attn: RA _____
10707 Stancliff Road
Houston, Texas 77099 USA

Technical Support

If you are experiencing problems, or need assistance in setting up, configuring or operating your USB Audio Converter, consult the appropriate sections of this manual. If, however, you require additional information or assistance, please contact the Rose Electronics Technical Support Department at:

Phone: (281) 933-7673
E-Mail: TechSupport@rose.com
Web: www.rose.com

Technical Support hours are from: 8:00 am to 6:00 pm CST (USA), Monday through Friday.

Please report any malfunctions in the operation of this Unit or any discrepancies in this manual to the Rose Electronics Technical Support Department.



Server Management



Solutions

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