

V2V-SC4KUHD

HDMI 4K CONVERTER AND SCALER



USER MANUAL

V2V-SC4KUHD

HDMI 4K Converter and Scaler.



Designed and Manufactured in the USA

Smart-AVI

1-800-284-2131
www.smartavi.com

WHAT'S IN THE BOX?

V2V-SC4KUHD	HDMI 4K Converter and Scaler
PS5VD3A	5V DC, 3A (minimum) power adapter with center-pin positive polarity.
	User Manual

V2V-SC4KUHD REAR



V2V-SC4KUHD FRONT



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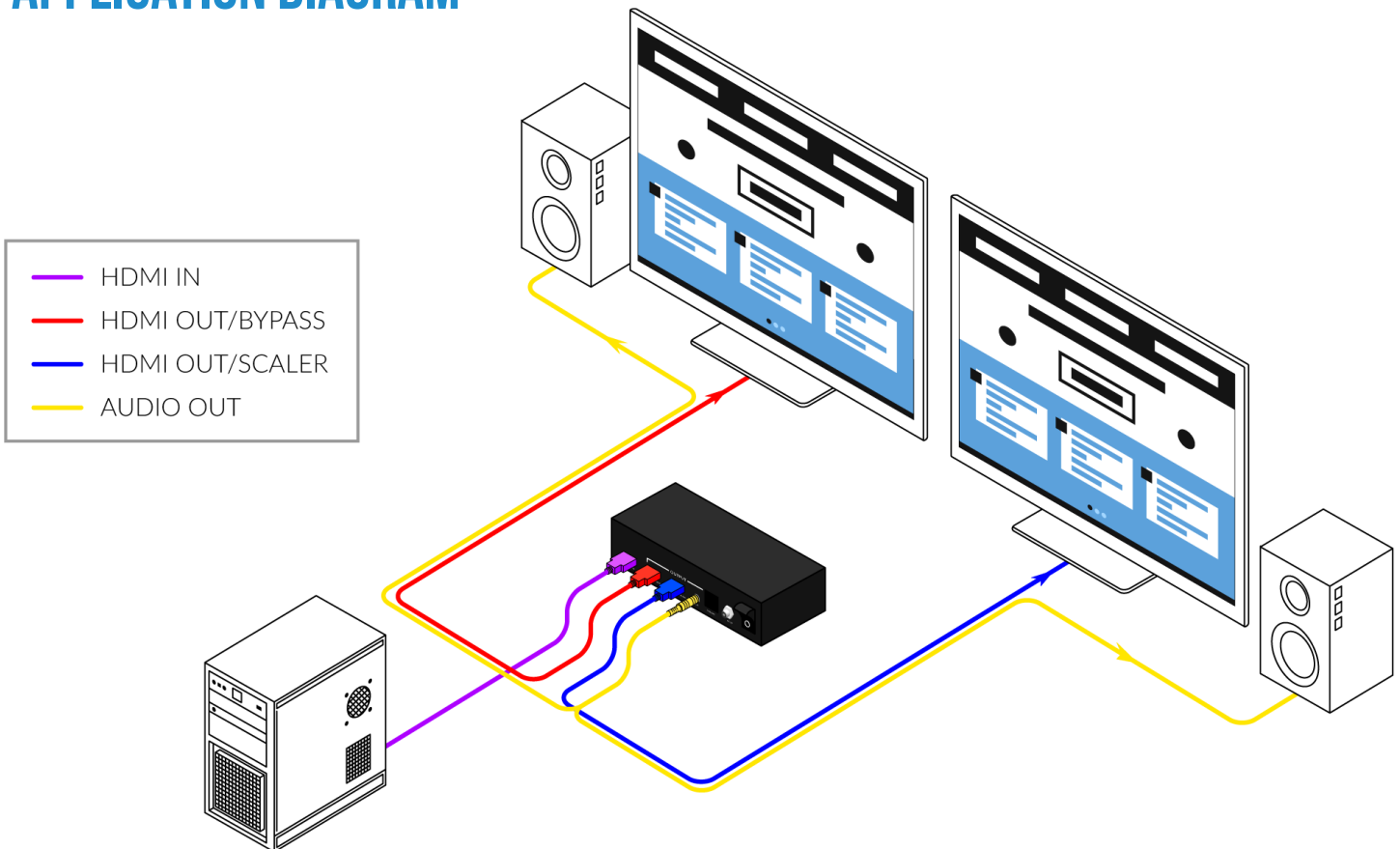
TECHNICAL SPECIFICATIONS

VIDEO	
Input	(1) HDMI (Type A female connector)
Output	(2) HDMI (Type A female connector), (1) TOSLINK, Spdif audio output, (1) 3.5mm jacket, L/R audio output
HDMI	HDMI 2.0/HDCP 2.2
Input resolution support	640 x 480 @ 60Hz, 800 x 600 @ 60Hz, 1024 x 768 @ 60Hz, 1280 x 768 @ 60 Hz, 1280 x 800 @ 60 Hz, 1280 x 960 @ 60 Hz, 1280 x 1024 @ 60 Hz, 1360 x 768 @ 60 Hz, 1366 x 768 @ 60 Hz, 1400 x 1050 @ 60 Hz, 1440 x 900 @ 60 Hz, 1600 x 900 @ 60 Hz
Output resolution support (bypass)	640 x 480 @ 60 Hz, 800 x 600 @ 60 Hz, 1024 x 768 @ 60Hz, 1280 x 768 @ 60 Hz, 1280 x 800 @ 60 Hz, 1280 x 960 @ 60Hz, 1280 x 1024 @ 60 Hz, 1360 x 768 @ 60 Hz, 1366 x 768 @ 60 Hz, 1400 x 1050 @ 60 Hz, 1440 x 900 @ 60 Hz, 1600 x 900 @ 60 Hz
Output resolution support (scaling)	1920 x 1080 @ 60 Hz, 3840 x 2160 @ 30 Hz, 3840 x 2160 @ 60 Hz, 1280 x 720 @ 60 Hz, 1024 x 768 @ 60 Hz, 1366 x 768 @ 60 Hz, 1280 x 1024 @ 60 Hz, 1920 x 1200 @ 60 Hz, 1280 x 1024 @ 60 Hz/DVI, 1920 x 1080 @ 60 Hz/DVI
Input Video Level	0.5~1.2 Vp-p
Input DDC Signal	5 Vp-p
Maximum Data Rate	18 Gbps
Max Pixel Clock	600 MHz
OTHER	
Power Supply	100-240 VAC/ 5VDC @ 3A/15W
Dimensions	5.63" W x 3.27" H x 1.02" D
Weight	0.8 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	+32 to +104°F (0 to +40°C)
Storage Temp.	-4 to 140°F (-20 to +60°C)
Humidity	Up to 80% (No Condensation)
Support Warranty	1-year

INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a **HDMI cable** to connect the HDMI output port from each computer to the corresponding HDMI IN ports of the unit.
3. Optionally connect a **stereo audio cable** (3.5mm to 3.5mm) to connect the audio output of the computers to the AUDIO IN ports of the unit.
4. Connect a monitor to the HDMI OUT console port of the unit using a **HDMI cable**.
5. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
6. Finally, power on the V2V-SC4KUHD by connecting a **5VDC power supply** to the power connector, and then turn on all the computers.

APPLICATION DIAGRAM



PANEL LAYOUT

LEDs	NAME	DESCRIPTION
1	IN	ON: An HDMI source is connected to the splitter
		OFF: No HDMI source is connected to the splitter
2	OUT 1	ON: Display is connected to HDMI output port 1
		OFF: No display is connected to HDMI output port 1
3	OUT 2	ON: Display is connected to HDMI output port 2
		OFF: No display is connected to HDMI output port 2
4	4K	ON: 4K signal input
		OFF: None 4K signal input
5	HDCP	ON: There is HDCP encryption with input signal
		OFF: None HDCP encryption with input signal
6	POWER	ON: The splitter is power on
		OFF: The splitter is power off

EDID SWITCH

POSITION	DESCRIPTION (EDID on input port)
0	Copy EDID from OUT1
1	1920 x 1080 @ 60 Hz
2	3840 x 2160 @ 30 Hz
3	3840 x 2160 @ 60 Hz
4	1280 x 720 @ 60 Hz
5	1280 x 1024 @ 60 Hz
6	1920 x 1200 @ 60 Hz
7	Reserved
8	Reserved
9	Reserved

RESOLUTION SWITCH

POSITION	DESCRIPTION (Resolution on Out 2)
0	1920 x 1080 @ 60 Hz
1	3840 x 2160 @ 30 Hz
2	3840 x 2160 @ 60 Hz
3	1280 x 720 @ 60 Hz
4	1024 x 768 @ 60 Hz
5	1366 x 768 @ 60 Hz
6	1280 x 1024 @ 60 Hz
7	1920 x 1200 @ 60 Hz
8	1280 x 1024 @ 60 Hz, DVI
9	1920 x 1080 @ 60 Hz, DVI

REAR PANEL

LEDs	NAME	DESCRIPTION
1	HDMI IN	Connects to HDMI source device
2	OUT 1	HDMI OUT 1/BYPASS
3	OUT 2	HDMI OUT 2/SCALING
4	L/R	Ø3.5mm jacket, analog audio output
5	TOSLINK	5V DC power input, threaded port for standard or locking connection

BOTTOM MARK

POSITION	EDID with input port	POSITION	Resolution with Out 2
0	Copy EDID from OUT1	0	1920 x 1080 @ 60 Hz
1	1920 x 1080 @ 60 Hz	1	3840 x 2160 @ 30 Hz
2	3840 x 2160 @ 30 Hz	2	3840 x 2160 @ 60 Hz
3	3840 x 2160 @ 60 Hz	3	1280 x 720 @ 60 Hz
4	1280 x 720 @ 60 Hz	4	1024 x 768 @ 60 Hz
5	1280 x 1024 @ 60 Hz	5	1360 x 768 @ 60 Hz
6	1920 x 1200 @ 60 Hz	6	1280 x 1024 @ 60 Hz
7	Reserved	7	1920 x 1200 @ 60 Hz
8	Reserved	8	1280 x 1024 @ 60 Hz, DVI
9	Reserved	9	1920 x 1080 @ 60 Hz, DVI

TROUBLESHOOTING

No Power

- Make sure that the power adapter is securely connected to the power connector of the unit.
- Check the output voltage of the power supply and make sure that the voltage value is around 12VDC.
- Replace the power supply.

No Video

- Check if all the video cables are connected properly.
- Connect the computer directly to the monitor to verify that your monitor and computer are functioning properly.
- Restart the computers

Keyboard is not working

- Check if the keyboard is properly connected to the unit.
- Check if the USB cables connecting the unit and the computers are properly connected.
- Try connecting the USB on the computer to a different port.
- Make sure that the keyboard works when directly connected to the computer.
- Replace the keyboard.

Mouse is not working

- Check if the mouse is properly connected to the unit.
- Try connecting the USB on the computer to a different port.
- Make sure that the mouse works when directly connected to the computer.
- Replace the mouse.

No Audio

- Check if all the audio cables are connected properly.
- Connect the speakers directly to the computer to verify that the speakers and the computer audio are functioning properly.
- Check the audio settings of the computer and verify that the audio output is through the speakers.

TECHNICAL SUPPORT

For product inquiries, warranty questions, or technical questions, please contact info@smartavi.com.

LIMITED WARRANTY STATEMENT

A. Extent of limited warranty

SmartAVI, Inc. warrants to the end-user customers that the SmartAVI product specified above will be free from defects in materials and workmanship for the duration of 1 year, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

SmartAVI limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:

- a. Improper or inadequate maintenance or modifications
- b. Operations outside product specifications
- c. Mechanical abuse and exposure to severe conditions

If SmartAVI receives, during applicable warranty period, a notice of defect, SmartAVI will at its discretion replace or repair defective product. If SmartAVI is unable to replace or repair defective product covered by the SmartAVI warranty within reasonable period of time, SmartAVI shall refund the cost of the product.

SmartAVI shall have no obligation to repair, replace or refund unit until customer returns defective product to SmartAVI.

Any replacement product could be new or like new, provided that it has functionality at least equal to that of the product being replaced.

SmartAVI limited warranty is valid in any country where the covered product is distributed by SmartAVI.

B. Limitations of warranty

To the extent allowed by local law, neither SmartAVI nor its third party suppliers make any other warranty or condition of any kind whether expressed or implied with respect to the SmartAVI product, and specifically disclaim implied warranties or conditions of merchantability, satisfactory quality, and fitness for a particular purpose.

C. Limitations of liability

To the extent allowed by local law the remedies provided in this warranty statement are the customers sole and exclusive remedies.

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event will SmartAVI or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages whether based on contract, tort or any other legal theory and whether advised of the possibility of such damages.

D. Local law

To the extent that this warranty statement is inconsistent with local law, this warranty statement shall be considered modified to be consistent with such law.

Smart-AVI

SMART AUDIO VIDEO INNOVATION

NOTICE

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