

HDMI 4K2K 1x2 SD-HD Scaler - ID# 15338



Operation Manual

Introduction

The 1 by 2 HDMI Scaler is designed to scale both 4K2K and non-4K2K HDMI signal into 1080p and also, bypass 4K2K signal out on to 4K2K display. Allowing all types of HDMI source signal to be display on HDTV/ Monitor. With friendly and simple design which allows user with direct viewing on input resolution and output signal up to 2 simultaneous HDMI. The 1 by 2 HDMI Scaler is your best media between HD and Ultra HD signal.

Features

- Supports HDMI 4K2K signal bypass
- Supports HDMI signal bypass
- Simultaneous HDMI outputs
- Friendly and simple to use

Applications

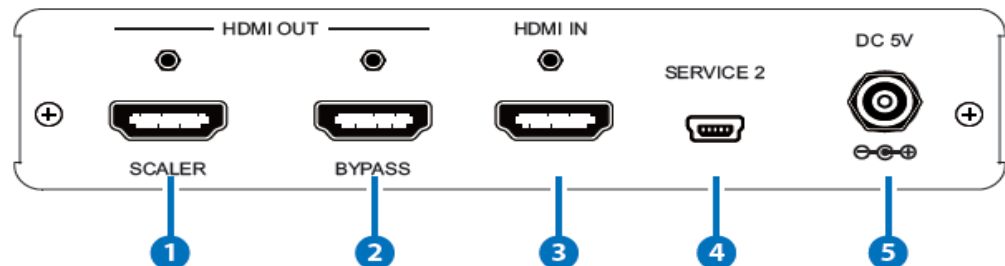
- Ultra HDMI source displaying on standard LED TV/monitor
- Ultra HDMI source displaying on 4K2K TV/Panel
- Examining if display supports 4K2K
- Examining if source supports 4K2K

System Requirements

Input source equipment such as DVD/Blu-ray(4K2K) player and output HDMI (4K2K) TV/display

Operation Controls and Functions

Front Panel



1. HDMI OUT/SCALER: This slot is to connect with HDMI TV/display for output AV displaying with resolution up to 1080p.

2. BYPASS: This slot is to connect with HDMI TV/display with or without 4K2K specification for output AV displaying according to inputsource signal setting.

Input Source	Scaler Output	Bypass Output
1080p	1080P	1080P
4K2K	1080P	4K2K

Note: Displaying HDMI 4Kx2K contents, equivalent source signal and HDMI cable are required on BYPASS output connection.

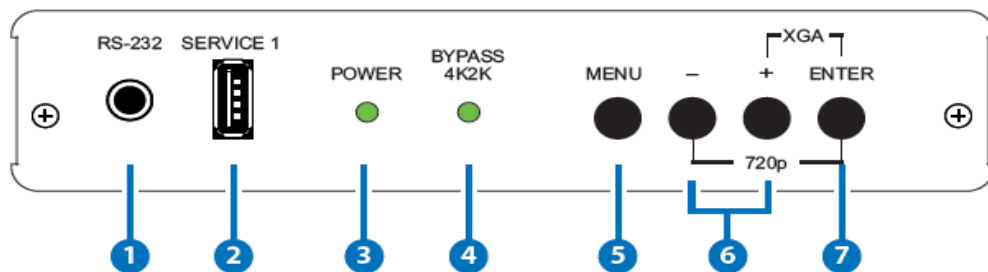
3. HDMI IN: Connect from HDMI source equipment such as Blu-ray/DVD player with or without 4K2K signal.

4. SERVICE 2: This slot is reserved for factory use only.

5. 4K2K / 1080P LED: These LED will illuminate according to input source signal's resolution when both LED are illuminating it state the input source's signal does not belong to 4K2K/1080P@24.

6. DC 5V IN: Connect 5V DC power supply into the unit and connect the adaptor to an AC outlet.

Back Panel



1. RS-232: This slot is reserve for factory use only.

2. SERVICE 1: This slot is reserve for factory use only.

3. POWER LED: This LED will illuminate when the device is connected with power supply.

4. BYPASS 4K2K: This LED will illuminate when the input signal contains with 4K2K resolution.

5. MENU: Press this button to enter into OSD menu.

6. +/-: Press this button to scroll down/up the menu selection. Press “-“ with “ENTER” button to switch SCALER output resolution to 720p instantly or press “+” with “ENTER” button to switch SCALER output resolution to XGA instantly.

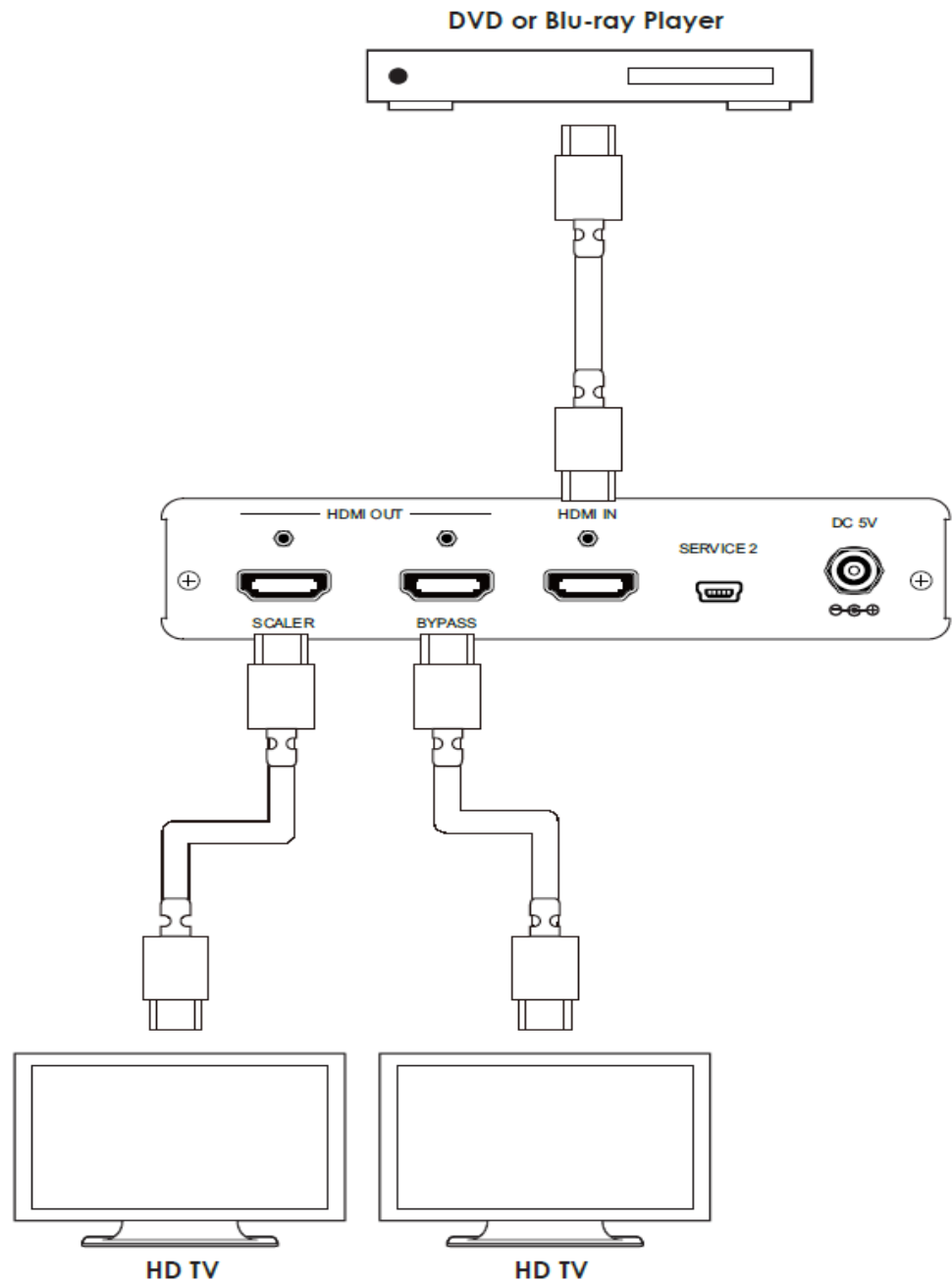
7. ENTER: Press this button to enter or confirm the selection.

OSD Menu

1 st Layer	2 nd Layer	3 rd Layer	4 th Layer	
Picture Setting	Contrast			
	Brightness			
	Fine Tune	Hue		0~100
		Saturation		0~100
		Sharpness		0~100
		NR		Off/High/ Middle/ Low
		Exit		
	Colour	Red		0~100
		Green		0~100
		Blue		0~100
		Exit		
	Output Setting	Size	Full/Over Scan/Under Scan/Letter Box/Pan Scan/Best Fit	
		Resolution	640x480/60,800x600/60,1 024x768/60,1280x1024/6 0,1600x1200/60,1366x76 8/60,1680x1050/60,1920x 1200/60,1280x800/60,144 0x900/60,1400x1050/60,1 600x900/60,480i/480p/72 0p60/1080i60/1080p60/57 6i/576p/720p50/1080i50/1 080p50/ Native	
Exit				
OSD Setting	H-Position	0~100		
	V-Position	0~100		
	Timer Out	5~100		
	Background	0~100		
	Display	Info/On/Off		
	Exit			
Factory Setting	Reset	Yes/No		

	Exit		
Information	Input	...X...	
	Output	...X...	
	Version	X.XX	
Exit			

Connection Diagram



HDMI Supported Resolutions	Input	Output
640x480@60	√	√
640x480@72	√	
640x480@75	√	
720x480@60	√	
720x480i@60	√	
720x576i@50	√	√
720x576p@50	√	√
800x600@56	√	
800x600@60	√	√
800x600@72	√	
800x600@75	√	
1024x768@60	√	√
1024x768@70	√	
1024x768@75	√	
1280x720@60	√	
1280x720p@60	√	
1280x800@60	√	√
1280x1024@60	√	√
1440x1050@60		√
1600x1200@60	√	√
1920x1080@60	√	
1920x1080i@50	√	√
1920x1080i@60	√	√
1920x1080p@23.97	√	√
1920x1080p@24	√	√
1920x1080p@25	√	√
1920x1080p@29.97	√	√
1920x1080p@30	√	√
1920x1080p@50	√	√
1920x1080p@60	√	√
1920x1200@60(RB)	√	√

Specifications

Video Frequency	300MHz/9Gbps
Input Ports	1 x HDMI, 2 x USB (Service only), 1 x RS-232 (Service only)
Output Ports	2 x HDMI
HDMI Cable Distance	In 15M, Out 15M@1080p/8bit, In 10M, Out 10M@1080p/12bit, In 5M, Out 10M@4K2K
Power Supply	5V / 2.6A DC (US/EU standards, CE/FCC/ UL certified)
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	145(W) x 167(D) x 30 (H)
Weight(g)	488
Chassis Material	Aluminum
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F ~ 104°F
Storage Temperature	-20°C~60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (non-condensing)
Power Consumption	7.7W