

CV-C05S

HDMI/DP/VGA/CVBS/YPbPr to HDMI Scaler Converter

User Manual

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rev: 210209
Made in Taiwan

INTRODUCTION

The **CV-C05S HDMI/DP/VGA/CVBS/YPbPr to HDMI Scaler Converter** provides a professional way to scale and convert multiple format (HDMI/DP/VGA/CVBS/YPbPr) to HDMI compliant format. This device supports video conversion and scaling from analog & digital to HDMI. With CV-C05S, the bothersome video format issues will not become a bottleneck in your applications and the handy audio support can make the input video and audio become HDMI ready.

FEATURES

- Supports Input HDMI1.4 /DP1.1/ VGA/CVBS/YPbPr
- IR remote control
- Button control
- Remote control via Micro-USB
- OSD control interface
- Input maximum pixel rate : 165MHz
- Output resolution up to 4K/30 444
- Supports multiple VESA resolutions
- Deinterlacer supported
- Supports video enhancement features
- Over / under scanning adjustable
- Video H/V mirror supported
- Active video area adjustment supported
- Stable and independent output signal quality.
- USB firmware upgradable for expanding compatibility
- Wall-mount housing design for easy installation

PACKAGE CONTENTS

- 1x CV-C05S
- 1x 12V/2A power supply unit
- 1x IR Remote control
- 1x User Manual
- 1x Installation software CD

SPECIFICATIONS

Model Name		CV-C05S
Technical		
Role of usage	HDMI/DP/VGA/CVBS/YPbPr to HDMI Converter	
SDI standards	HDMI 1.4	
Input Video Maximum Pixel Rate	165MHz	
Output Video bandwidth	10.2Gbps	
Output Video support	up to 4K2K@30 4:4:4	
Audio support	PCM 2 (32KHz~192KHz Fs sample rate)	
ESD protection	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge] [2] Core chipset — ±2kV	
PCB stack-up	4-layer board [impedance control — differential 100Ω; single 50Ω]	
Firmware update	Feasible via USB Port	
CEC Channel	N/A	
Input	1x HDMI + 1x VGA + 1x DP +1x RCA + 1x YPbPr + 1x stereo(for VGA)	
Output	1x HDMI	
HDMI connector	Type A [19-pin female]	
USB connector	Micro B	
Mechanical		
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	144 x 113 x 30mm[5.6" x 4.4" x 1"]
	Package	264 x 170 x 77mm[10.3" x 6.7" x 3"]
	Carton	430 x 358 x 291mm[1'4" x 1'2" x 11.5"]
Weight	Model	264g[9.3 oz]
	Package	724g[1.6 lbs]
Power supply	5V 1A DC	
Power consumption	2.5 Watts [max]	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

PANEL DESCRIPTIONS



1. PUSH BUTTON

[LEFT]: Down Button

[MID]: Up Button

[RIGHT]: Menu/Enter Button

2. Micro USB: Micro-USB port for control port

3. IR SENSOR: IR sensor for receiving the IR commands from IR remote

4. COMPONENT – Y INPUT

5. COMPONENT – Pb INPUT

6. COMPONENT –Pr INPUT

7. HDMI OUTPUT: Connect to a HDMI display

8. DIP SWITCH: For firmware update

PIN 1: F/W update

PIN 2: Reserved

9. CVBS INPUT

10. LED INDICATOR: Please refer to "Notes"

11. DP INPUT: Connect to a DP source

12. HDMI INPUT: Connect to a HDMI source

13. VGA INPUT: Connect to a VGA source

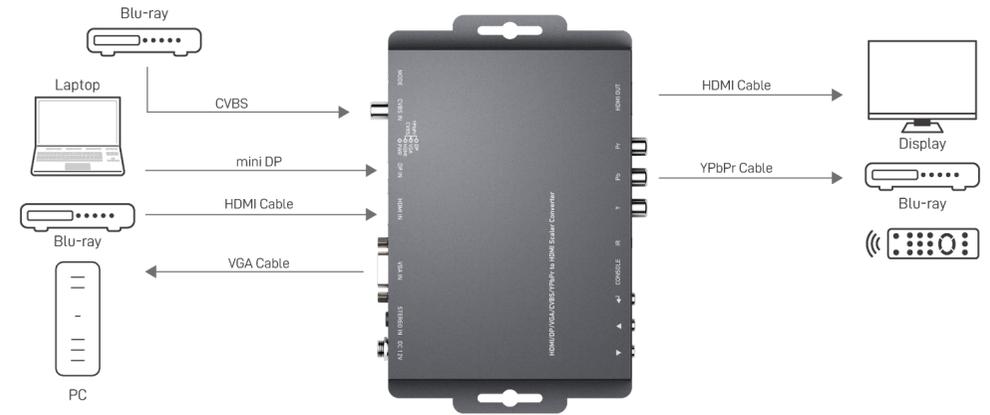
14. STEREO AUDIO INPUT (for VGA): connect to analog stereo audio source

15. +12V DC: Interlocking power jack for 12V DC power supply unit

*Notes: LED INDICATOR

Power Indicator LED	Signal Indicator LED		
Power	DisplayPort	VGA	HDMI

CONNECTION DIAGRAM



OSD MENU

1. Output Setup	Output Format	
	Test Pattern	Disable, White, Cross, Hatch, Color, Gray, Windows, H-Ramp, W-HRamp, W-VRamp, Diagonal
	Audio Mute	Off, On
	Input Type	HDMI, VGA, DP, YPbPr, CVBS
	Return	
2. Image	Contrast	0~255 of Contrast Level
	Brightness	0~255 of Brightness Level
	Saturation	0~255 of Saturation Level
	Hue	0~255 of Hue Level
	Gamma Adjust	Off, 1.1, 1.3, 0.7, 0.9
	Color Tone	Off, Green, Skin
	Edge Enhance	Off, Max, Mid, Min
	Sharpness	0~64 of Sharpness Level
	Return	
	3. Adjustment	Under/Over Scan
Aspect Ratio		Stretch, 16:9, 4:3
H-Mirror		Off, On
V-Mirror		Off, On
H-Shift		-100~100 of H-Shift Level
V-Shift		-50~50 of V-Shift Level
Return		
4. System	Input Format	
	F/W Version	
	Factory Reset	
	Return	
5. Exit		

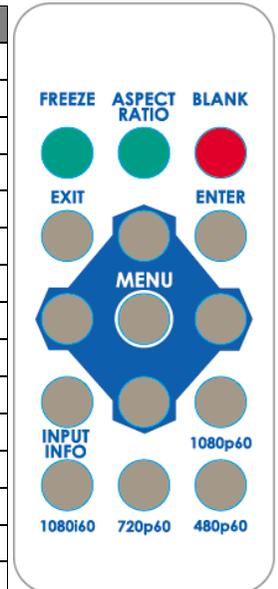
OPERATION APPROACH

Method A: Push-in Button

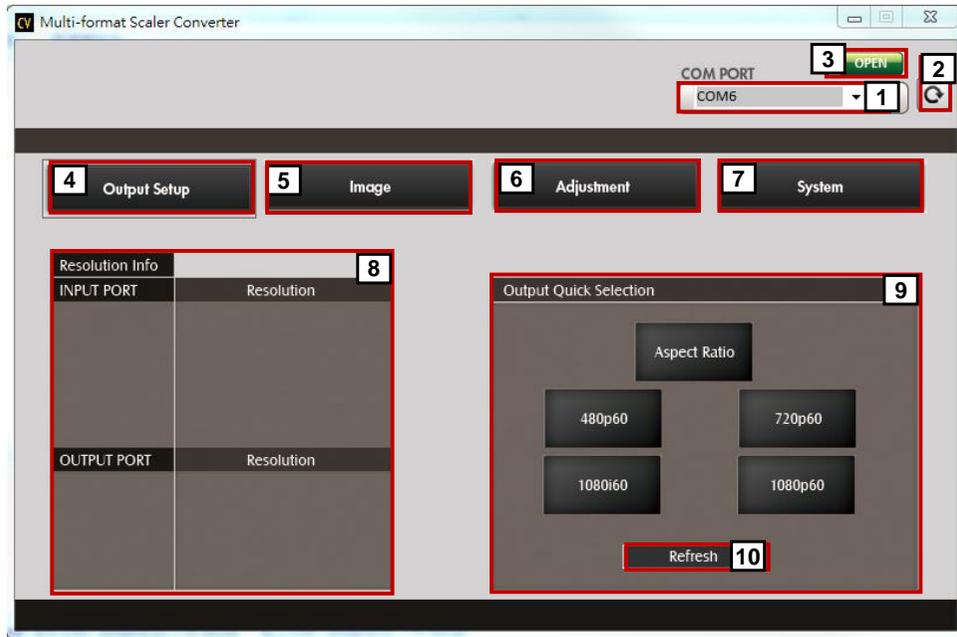


Method B: IR Remote Control

Button	Function
FREEZE	Freeze video
ASPECT RATIO	Aspect ratio change
BLANK	Blank video
EXIT	Exit OSD
ENTER	Enter key
UP	Up key
LEFT	Left key
RIGHT	Right key
DOWN	Down key
MENU	Menu on
INPUT INFO	Source resolution information
1080p60	Select 1080p60 output resolution
1080i60	Select 1080i60 output resolution
720p60	Select 720p60 output resolution
480p60	Select 480p60 output resolution



Method C: IR Remote Control through Micro-USB port



1	COM Port Selection
2	COM Port Detection Button
3	Connect/Disconnect Button
4	Output Setup Button
5	Image Button
6	Adjustment Button
7	System Button
8	Input / Output Resolution Info
9	Output Quick Selection Button
10	Refresh Input / Output Resolution Info Button

1. COM Port Selection

Please select the application COM PORT



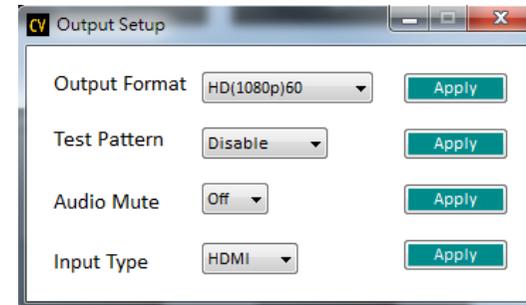
2. COM Port Detection Button

Click this button  to detect the COM PORT

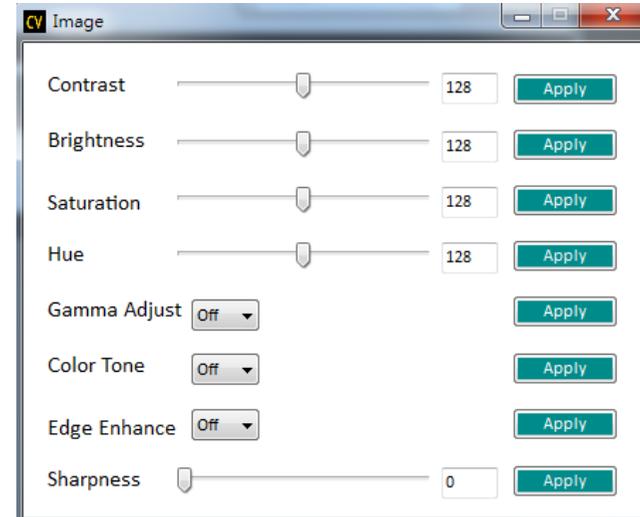
3. Connect/Disconnect Button

- 1) Click this button  to connect
- 2) Click this button  to disconnect

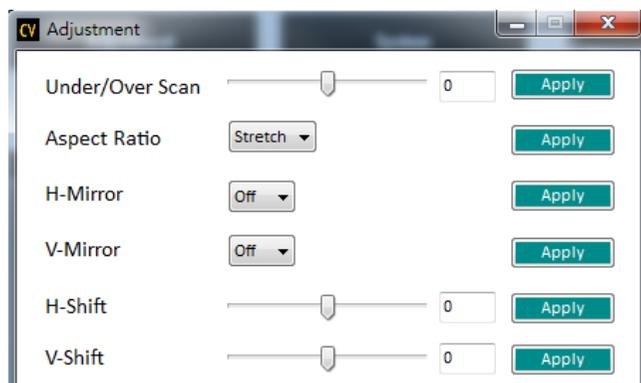
4. Output Setup Button



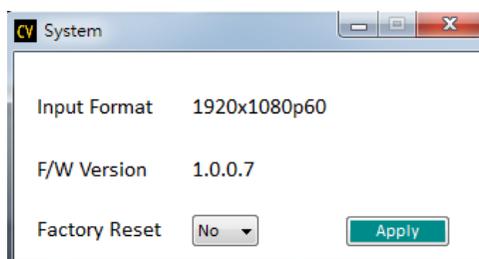
5. Image Button



6. Adjustment Button



7. System Button



- 1) Input Format:
To view the current input resolution
- 2) F/W Version Information
- 3) Factory Reset Button

8. I/O Port and Resolution Info

To display the information about the I/O Port and the applied Resolution

9. Output Quick Selection Button

Common functions for quick setting

10. Refresh Button

To refresh the status of the converter

WARRANTY

The SELLER warrants the **CV-C05S HDMI/DP/VGA/CVBS/YPbPr to HDMI Scaler Converter** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surges.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the CV-C05S features and specifications is subject to change without further notice.**