HD Video Converter User Manual

VGA+R/L Audio TO HDMI Converter

Bring High-Definition to your life!

Thank you for purchasing our product. To ensure safety and many years'

trouble-free operation of the product, please read the manual carefully before using this product.

1.0 INTRODUCTION

This kind of the Converter is a VGA video converter. It converts VGA input into HDMI to allow PC users to show their image not only on the PC's monitor, but could also on TV, to have a large display. The conversion is along with the R/L audio. Converter offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

2.0 FEATURES

The series of the HDMI Amplifier Converter have many features that enable them to perform in a superior manner. among those features you will find:

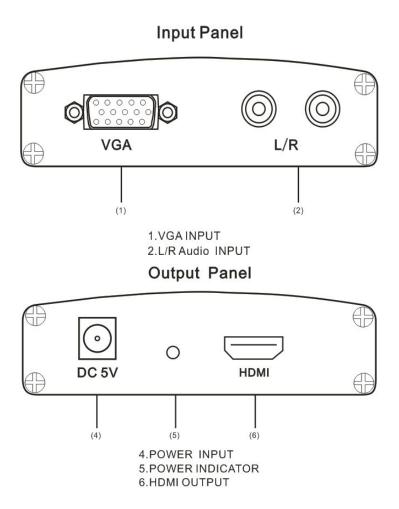
- 1. Conversion: It could convert PC's VGA video and R/L audio into complete HDMI.
- 2. Extend the transmission distance and improve transmission signal.
- 3. Compatible with DVI by using HDMI to DVI adapter.
- 4. Metal casing design and overall shielding without signal interference.
- 5. Led indicates signal and power mode.
- 6. Power supply (please refer to technical parameter).

3.0 SPECIFICATIONS

Old STEELITEITIONS	
Signal Inputs/Output	
Input Video Signal	0.5-1.0 volts p-p

Maximum Single Link Range Output Video HDMI + HDCP1.0/1.1 VGA 640x480 60Hz 72Hz 75Hz 800x600 60Hz 72Hz 75Hz 1024x768 60Hz 70Hz 75Hz 1280x1024 60Hz 1600x1200 60Hz DTV/HDTV 480i/576i/480p/576p/720p/1080i/1080P Operating Frequency Frequency Up to165MHz Video Amplifier Bandwidth Resolutions(HDTV) Interlaced(50&60Hz) 480i,576i,1080i Progressive(50&60Hz) 480p,576p,720p,1080p Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature 2 10 to +80°C Storage Humidity Power Requirement External Power Supply CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on User Manual English Version	Input DDC Signal	5 volts p-p (TTL)
VGA 640x480 60Hz 72Hz 75Hz 800x600 60Hz 72Hz 75Hz 1024x768 60Hz 70Hz 75Hz 11280x1024 60Hz 11600x1200 60Hz DTV/HDTV 480i/576i/480p/576p/720p/1080i/1080P Operating Frequency Frequency Up to165MHz Video Amplifier Bandwidth 1.65Gpbs/165MHz Resolutions(HDTV) Interlaced(50&60Hz) 480i,576i,1080i Progressive(50&60Hz) 480p,576p,720p,1080p Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Maximum Single Link Range	1600X1200, 1080P
800x600 60Hz 72Hz 75Hz 1024x768 60Hz 70Hz 75Hz 1280x1024 60Hz 1600x1200 60Hz DTV/HDTV 480i/576i/480p/576p/720p/1080i/1080P Operating Frequency Up to165MHz Video Amplifier Bandwidth 1.65Gpbs/165MHz Resolutions(HDTV) Interlaced(50&60Hz) 480i,576i,1080i Progressive(50&60Hz) 480p,576p,720p,1080p Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Output Video	HDMI + HDCP1.0/1.1
1024x768 60Hz 70Hz 75Hz 1280x1024 60Hz 1600x1200 60Hz DTV/HDTV 480i/576i/480p/576p/720p/1080i/1080P Operating Frequency Up to165MHz Video Amplifier Bandwidth 1.65Gpbs/165MHz Resolutions(HDTV) Interlaced(50&60Hz) 480i,576i,1080i Progressive(50&60Hz) 480p,576p,720p,1080p Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	VGA	640x480 60Hz 72Hz 75Hz
1280x1024 60Hz 1600x1200 60Hz DTV/HDTV 480i/576i/480p/576p/720p/1080i/1080P Operating Frequency Up to165MHz Video Amplifier Bandwidth 1.65Gpbs/165MHz Resolutions(HDTV) Interlaced(50&60Hz) 480i,576i,1080i Progressive(50&60Hz) 480p,576p,720p,1080p Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,PSE,TK,UL Accessories Adapter US standard, UK standard and so on		800x600 60Hz 72Hz 75Hz
DTV/HDTV 480i/576i/480p/576p/720p/1080i/1080P Operating Frequency Frequency Up to165MHz Video Amplifier Bandwidth Resolutions(HDTV) Interlaced(50&60Hz) Progressive(50&60Hz) Mechanical Size(LxWxH) S8x68x25.5mm Weight(Net) United Warranty Limited Warranty Limited Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature Oto +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity Fower Requirement External Power Supply Converter Unit CE,FCC,ROHS Power Supply AC Power Adapter US standard, UK standard and so on		1024x768 60Hz 70Hz 75Hz
DTV/HDTV Operating Frequency Frequency Up to165MHz Video Amplifier Bandwidth Resolutions(HDTV) Interlaced(50&60Hz) Progressive(50&60Hz) Mechanical Size(LxWxH) Weight(Net) United Warranty Limited Warranty Environmental Operating Temperature Operating Humidity Storage Temperature Storage Humidity Power Requirement External Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter Up to165MHz Up to165MHz 480i,576i,1080i P.65Gpbs/165MHz A80i,576i,1080i P.66GBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB		1280x1024 60Hz
Operating Frequency Frequency Video Amplifier Bandwidth Resolutions(HDTV) Interlaced(50&60Hz) Progressive(50&60Hz) Mechanical Size(LxWxH) Weight(Net) United Warranty Limited Warranty Limited Warranty Limited Warranty I Year Parts and Labor Environmental Operating Temperature Operating Humidity Storage Temperature To to +80°C Storage Humidity Sw to 95 % RH (no condensation) Power Requirement External Power Supply Ce,FCC,ROHS Power Supply ACC Power Adapter US standard, UK standard and so on		1600x1200 60Hz
Frequency Video Amplifier Bandwidth Resolutions(HDTV) Interlaced(50&60Hz) Progressive(50&60Hz) Mechanical Size(LxWxH) Weight(Net) Limited Warranty Limited Warranty Limited Temperature Operating Temperature Operating Humidity Storage Temperature Storage Humidity Fower Requirement External Power Supply Converter Unit Power Adapter AC Power Adapter V480p,576p,720p,1080p 480p,576p,720p,1080p 48	DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P
Video Amplifier Bandwidth Resolutions(HDTV) Interlaced(50&60Hz) Progressive(50&60Hz) Mechanical Size(LxWxH) Weight(Net) Limited Warranty Limited Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature Operating Humidity Storage Temperature -10 to +80°C Storage Humidity External Power Supply Regulatory Approvals Converter Unit Power Adapter AC Power Adapter 480i,576i,1080i 480i,576i,1080i 480p,576p,720p,1080p 480p,576p,720p,1080p 480p,576p,720p,1080p 480i,576i,1080i 480p,576p,720p,1080p 480i,576i,1080i 480p,576p,720p,1080p 480i,576i,1080i 480i,676i,1080i 480i,676i,1080i 480i,676i,1080i 480i,676i,1080i 480i,676i,10	Operating Frequency	
Resolutions(HDTV) Interlaced(50&60Hz) 480i,576i,1080i Progressive(50&60Hz) 480p,576p,720p,1080p Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Frequency	Up to165MHz
Interlaced(50&60Hz) Progressive(50&60Hz) Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature Operating Humidity Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply AC Power Adapter 480i,576i,1080i 480p,576p,720p,1080p 480p,576p,720p,1080p 0.68Kg Warranty 1 Year Parts and Labor 1 Year Parts and Labor For to +70°C Oto +70°C Oto +70°C Oto +80°C Storage Humidity 5% to 95 % RH (no condensation) CE,FCC,ROHS CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter US standard, UK standard and so on	Video Amplifier Bandwidth	1.65Gpbs/165MHz
Progressive(50&60Hz) Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Resolutions(HDTV)	
Mechanical Size(LxWxH) 88x68x25.5mm Weight(Net) 0.68Kg Warranty Limited Warranty 1 Year Parts and Labor Environmental Operating Temperature 0 to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Interlaced(50&60Hz)	480i,576i,1080i
Size(LxWxH) Weight(Net) Unified Warranty Limited Warranty Environmental Operating Temperature Operating Humidity Storage Temperature Storage Humidity Five Temperature Object Temperature Storage Temperature Storage Humidity Dower Requirement External Power Supply Converter Unit Power Supply Accessories Adapter AC Power Adapter AC Power Adapter O.68Kg O	Progressive(50&60Hz)	480p,576p,720p,1080p
Weight(Net) Warranty Limited Warranty Environmental Operating Temperature Operating Humidity Storage Temperature -10 to +80°C Storage Humidity External Power Supply Regulatory Approvals Converter Unit Power Supply AC Power Adapter O to +70°C O to +70°C O to +80°C Storage Temperature -10 to +80°C Storage Humidity DC 5V 1A CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter US standard, UK standard and so on	Mechanical	
Warranty Limited Warranty Environmental Operating Temperature Oto +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply Accessories Adapter AC Power Adapter US standard, UK standard and so on	Size(LxWxH)	88x68x25.5mm
Limited Warranty Environmental Operating Temperature Operating Humidity Storage Temperature 10% to 85 % RH (no condensation) Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter 1 Year Parts and Labor 1	Weight(Net)	0.68Kg
Environmental Operating Temperature O to +70°C Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Warranty	
Operating Temperature Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80°C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Limited Warranty	1 Year Parts and Labor
Operating Humidity 10% to 85 % RH (no condensation) Storage Temperature -10 to +80 °C Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Environmental	
Storage Temperature Storage Humidity S% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Operating Temperature	0 to +70°C
Storage Humidity 5% to 95 % RH (no condensation) Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Operating Humidity	10% to 85 % RH (no condensation)
Power Requirement External Power Supply DC 5V 1A Regulatory Approvals Converter Unit Power Supply CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Storage Temperature	-10 to +80℃
External Power Supply Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Storage Humidity	5% to 95 % RH (no condensation)
Regulatory Approvals Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Power Requirement	
Converter Unit CE,FCC,ROHS Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	External Power Supply	DC 5V 1A
Power Supply CE,FCC,PSE,TK,UL Accessories Adapter AC Power Adapter US standard, UK standard and so on	Regulatory Approvals	
Accessories Adapter AC Power Adapter US standard, UK standard and so on	Converter Unit	CE,FCC,ROHS
AC Power Adapter US standard, UK standard and so on	Power Supply	CE,FCC,PSE,TK,UL
	Accessories Adapter	
User Manual English Version	AC Power Adapter	US standard, UK standard and so on
	User Manual	English Version

4.0 PANEL INTRODUCTION



5.0 CONNECTION AND OPERATION

Before installation, please make sure all devices you wish to connect have been turned off.

- 1. Connect the VGA video and R/L audio from computer to Converter.(Input cables are optional)
- 2. Connect the HDMI output from to the TV which has HDMI input.
- 3. Connect the VGA and R/L audio output of back to the computer's monitor and speaker if necessary.
- 4. Insert the DC side of 5V power supply into and then connect the AC side of the power supply into the wall outlet
- 5. Power on the computer and TV, choose the input of TV to its HDMI channel.
- 6. The image does not need to be adjusted, the Converter will position it automatically, the user may adjust the horizontal position under some extreme condition.

Attention: Insert / Extract cable gently.

- 1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases ,shall be placed on the apparatus.
- 2. Do not install or place this unit a bookcase, built-in cabinet or in another confined space ensure the unit is well ventilated.
- 3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
- 4. Do not install near any heat sources such as radiators, heat registers, Stoves or other apparatus(including amplifiers)that product heat.
- 5. Do not place sources of naked flames, such as lighted candles, on the unit.
- 6. Clean this apparatus only with dry cloth.
- 7. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 8. Protect the power cord from being walked on or pinched particularly at plugs.
- 9. Only use attachments/accessories specified by the manufacturer.
- 10、Refer all servicing to qualified service personnel.

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzine to clean this unit.