CV/SV to Full HD Mini Display Port Scaler ID# 764

Operation Manual

CONVERTERS.TV

Introduction

This scaler box is designed to display your Composite video/S-Video images on the Mini Display Port with better viewing resolutions. It can upscale any Composite video/S-Video's input source into Mini Display Port output with wide-range resolutions. Additionally, this device can also transfer audio for user to enjoy both HD images and sound consistently.

Application

- Composite video/S-Video to Mini DisplayPort or DisplayPort signal conversion
- Scale Composite video/S-Video signal into Mini DisplayPort support format

System Requirements

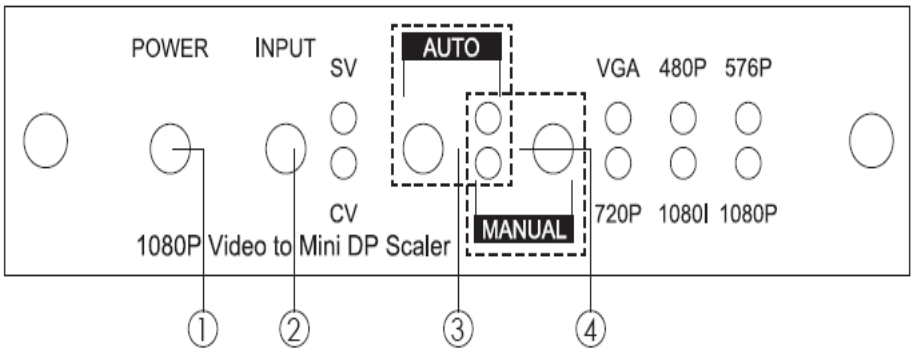
Input Composite video/S-Video source equipment(s) and output monitor with input Mini DisplayPort and connection cables.

Features

- Scales up Composite video or S-Video to HDTV 1080p format
- Automatic lipsync (audio delay) ensures audio video synchronization
- Input video systems NTSC/PAL
- Supports 8 bits on Mini DisplayPort output up to 6M distance
- HQE (High Quality Image Enhancer) function
- Digital Noise Reduction – Minimizes picture noise, reproducing images true to the original
- Block Noise Reduction – Effectively minimizes all MPEG noise, Improving the digital quality of HDTV broadcasts in particular, where block noise happens most
- MPEG Noise Reduction – Reduces mosquito noise for MPEG video images without losing detail
- Motion adaptive 3D Y/C separation comb filter
- 3D (frame based) motion adaptive noise reduction
- Advanced 3D motion adaptive de-interlace
- Automatic 2:2/3:2 film mode detection
- Composite video / S-Video input selection button
- Automatic resolution selection and individual resolution selection button
- Mini DisplayPort output with RGB color space design

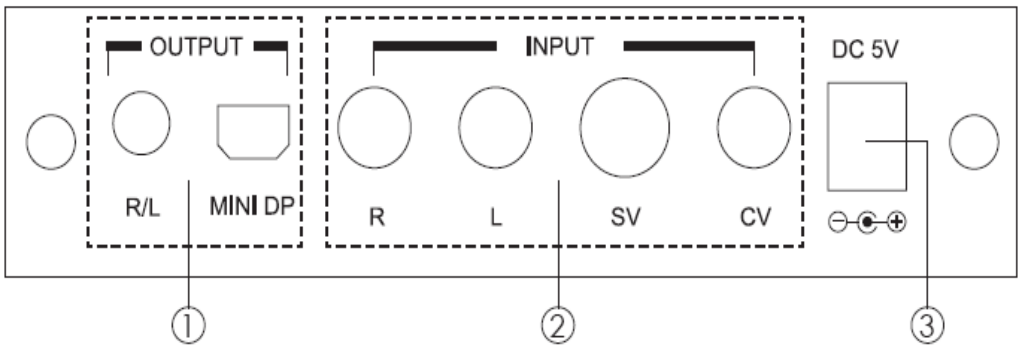
Operation Controls and Functions

Front Panel



① **POWER button:** Press this button once to power on the unit, press again to power off. This device has last memory's function and will record your last input selection. The factory default is on CV input.
② **INPUT selection bottom** - Yellow LED illuminates when composite video is selected.
- Green LED illuminates when S-Video is selected.
③ **AUTO selection button:** Press this button to set the device in Auto mode and the device will auto detect display 's EDID native resolution and the resolution indicator LED will illuminate.
④ **MANUAL selection button** - Press "MANUAL" button to select resolution of the DisplayPort output from VGA to 1080P

Rear Panel



① **MINI DP with R/L OUTPUT** – These slots are to connect with display monitor that is with mini DisplayPort input and R/L phone jack to a speaker incorporate with connection cables.

Note: 1. This scaler does not have overscan function however, it may be adjusted by TV.
2. Audio sound will not perform if no input image.

② **SV/CV/RL INPUT** – These slots are to connect to source input's S-Video/

Composite video and R/L with S-Video/ Component video cables.
③ **DC 5V** – This slot is to connect the 5V DC power adaptor included in the package into the unit and connect the adaptor to an AC wall outlet.

Connection and Installation

Output Resolution Chart

Mini DisplayPort output resolution		
VGA	640 X 480	60HZ
480P	720 X 480	60HZ
576P	720 X 576	50HZ
720P	1280 X 720	60HZ / 50HZ
1080I	1920 X 1080	60HZ / 50HZ
1080P	1920 X1080	60HZ / 50HZ

Specifications

Input Ports	**Composite video/S-Video, Audio R/L RCA jack**
Output Ports	**Mini Display Port, R/L phone jack**
Output Resolution	**VGA, 480p, 576p, 720p,1080i and 1080p@50/60**
Input signal levels	**Video at 1 Vp-p, 75Ω** **Y: 1.0 Vp-p(75Ω)** **C: 0.286 Vp-p(75Ω)**
Audio R/L:	**0.5Vrms**
Video System	**NTSC, PAL**
Audio Sampling Rate	**48KHz**
Power Supply	**5VDC/2.6A (US/EU standards, CE/FCC/UL certified)**
ESD Protection	**Human body model:** **± 10kV (air-gap discharge)** **± 6kV (contact discharge)**
Dimensions (mm)	**100(W) x157(D) x 25(H)**
Weight(g)	**332**
Chassis Material	**Aluminum**
Silkscreen Color	**Silver**
Power Consumption	**5W (max)**
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 (no condensation)**