



VIDEOSCALE

Operation Manual



Introduction

This scaler Box is designed to display your composite video/RGB SCART-video images on the HDTV with better viewing resolutions. It can upscale any composite video/s-video's input sources to HDMI output with wide-range resolutions. Further, this device also can transfer sounds for user to enjoy both HD images and sounds consistently.

Application

- Convert video to HDMI 1.3 at 1080P for HDMI LCD TV / LCD monitor
- Upscale iPod low resolution to HDMI 1080P
- To improve video quality to HDMI resolution

Contents

- VIDEOSCALE Scaler Box
- 5VDC Power Supply Adaptor
- Operation Manual

System require

Input source device, S-Video or CVBS/Video cable with R/L, HDMI cable and output displayer.

Features

- HDMI 1.3 support deep color 12 bit, HDCP 1.1, DVI 1.0 compliance
- Scales up Video or RGB-Video to HDTV 1080p format
- Automatic lipsync (audio delay) ensures audio video synchronization
- Input video systems NTSC/PAL
- Support 8/10/12 bit deep color on HDMI output up to 6M long
- DVI compatible by using HDMI to DVI adaptor
- HQE (High Quality Image enhancer) function
- Digital Noise Reduction – Minimises 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 – Reduce 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
- Video / S-Video input selection button
- Automatic resolution selection and individual resolution selection button
- HDMI output with RGB color space design

Installation

Front Panel

1. POWER selection button - Press the 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. AUTO selection button - Press the button to set the device in Auto mode and the device will auto detected HDMI display's EDID resolution native then the resolution indicator LED will illuminate.
3. MANUAL selection button - Press "MANUAL" button to select resolution of the HDMI output from VGA to 1080P

Rear Panel

1. HDMI OUTPUT – Connect to LCD TV/monitor with HDMI cable.
*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. SCART INPUT – Connect from source with SCART cable & RL.
The unit will automatically select RGB if present, otherwise will use Composite Video from SCART. You may use SCART to composite adapters.
For best video quality we recommend to check if RGB output is activated in source device SETUP menu !!
3. DC 5V – Plug the 5V DC power adaptor into the unit and connect the adaptor to AC wall outlet.

Connection and Installation

DVD/Vido player --→ CVLUX 1080p --→LCD TV/ HD MONITOR

Output Resolution Chart

| HDMI OUTPUT RESOLUTION | | | | | | |
|------------------------|-------------|------|------|----------|----------|----------|
| VGA | 640 X 480 | 60HZ | | | | |
| 480P | 720 X 480 | 60HZ | | | | |
| 576P | 720 X 576 | 50HZ | | | | |
| 720P | 1280 X 720 | 60HZ | | | | |
| 1080I | 1920 X 1080 | 60HZ | | | | |
| 1080P | 1920 X1080 | 60HZ | | | | |
| OUTPUT INPUT | VGA | 480P | 576P | 720P | 1080I | 1080P |
| NTSC | O | O | X | O (60Hz) | O (60Hz) | O (60Hz) |
| PAL | X | X | O | O (50Hz) | O (50Hz) | O (50Hz) |

Specification

- Input port SCART Composite /RGB auto select, Audio R/L RCA Jack
- Output port HDMI
- Output resolution VGA, 480p, 576p, 720p ~ 1080i, 1080p @ 50/60
- Input signal levels Video at 1vpp, 75Ω
- Video System NTSC, PAL
- Audio Sampling Rate 48KHz
- Power Supply 5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
- Dimensions (mm) 100 x 157 x 25
- Weight (g) 332
- Chassis Material Aluminum
- Silk Skin Color Silver

- Operating Temperature From 0°C~ 40°C

- Power Consumption 5W (max)