

VSC-101

Full HD Video Scaler Switcher

Data Sheet



DESCRIPTION

The VSC-101 is a full HD video scaler switcher. It has 12 video inputs and 10 audio inputs. The device scales and switches any HDMI, VGA, YPbPr, C-Video or S-video video signal to HDMI up to 1080P.

The device is controllable via buttons on the front, the IR sensor and the RS232 port.

FEATURES

- 12 video Inputs: 4 x HDMI, 4 x VGA, 1 x YPbPr, 2 x C-video & 1 x S-video.
- 2 independent audio inputs with level control and mixer function.
- 1 x HDMI output
- 1 x VGA (subject to HDCP) output
- Balanced left/right output pair on Euro-Connector.
- Built-in 2x10Watt@8Ω amplifier.
- Five selectable output resolutions.
- Adjustable display H/V size solves over-scale problems.
- Adjustable display H/V position.
- Mic volume and line volume adjustable.
- Powerful On-Screen Display (OSD) for control and setup functions.
- Quick switching through black.
- HDMI 1.3 and HDCP compliant.
- Firmware upgradeable via USB.
- Output freeze function.
- Front panel lockout.
- Controllable via front-panel, infrared remote controller (included) and RS-232.

Rear connectors



Specifications

Video General

Resolution range: 1920 x 1080 (1080P), 1360 x 768, 1280 x 720 (720P) 1280 x 800, 1024 x 768.
Bandwidth: HDMI: 4.95Gbps (1.65Gbps per color), C-Video/S-Video: 150MHz, YPbPr: 170MHz, VGA: 375MHz
Maximum pixel clock: 145MHz
Video impedance: 75Ω
Input/output level: 0.5V~2.0Vp-p
Gain: 0dB
HDCP: Compliant with High-bandwidth Digital Content Protection (HDCP) with DVI & HDMI 1.3 standards

Video Input

Inputs: 4xHDMI, 4xVGA, 1xYPbPr, 2xC-Video, 1xS-Video
Input connectors: HDMI female connector, VGA(15 pin HD), RCA female connector, S-Video connector
Video signal: HDMI 1.3, RGBHV, RGBs, RGsB, RsBsGs, NTSC 3.58, NTSC 4.42, PAL, SECAM

Video Output

Outputs: 1xHDMI, 1xVGA
Output connectors: HDMI female connector, VGA(15 pin HD)
Video signal: HDMI 1.3, VGA

Audio General

Frequency response: 20Hz~20K Hz
Stereo channel separation: >80dB @1KHz
CMRR: >90dB @20Hz to 20K Hz

Audio Input

Inputs: 6xStereo analog inputs for audio follow video, 1xStereo Left/Right audio input, 1xBalanced mic-level audio input
Input connectors: 4xRCA female connector for YPbPr, C-Video & S-Video audio, 4x3.5mm jack for VGA audio, HDMI for HDMI embedded audio
Input impedance: >10kΩ.

Audio Output

Outputs: Balanced stereo audio output, 2x10W@8Ω/amplifier
Output connectors: Left/Right 5-pin Euro-connector, Amplifier Euro-connector
Output impedance: 50Ω

Control

IR remote, Front panel Buttons and RS-232.
Serial RS-232 Pin Configuration: Euro-connector

Power

Power supply: 100VAC ~ 240VAC, 50/60Hz
Power consumption: 65W

Mechanical Specifications

Dimensions: H 1.73" (44mm), W 19" (483mm), D 9.25" (235mm)
Weight: 4.63lb (2.1kg)

Environment

Temperature: -20C ~ +45C
Humidity: 10% ~ 90%

Architect's & Engineer's Specifications

Full HD Video Scaler Switcher

The Full HD Video Scaler Switcher shall be a 1 3/4" (44mm) high industrial package designed for installation in engineered audio and communication systems. The device shall accept a number of different video inputs, including HDMI, VGA, S-Video and component video. The device shall make available video output via an HDMI or VGA connection. Audio output shall be made available as amplified or non-amplified. The device shall be remote controlled via an infrared remote controller or via the front panel. LEDs on the front panel shall indicate when the unit is receiving power, the video resolution currently used, mic volume and line volume. The product shall be the VSC-101 or approved equal.