



DESCRIPTION

The VSC-51 is a full HD video scaler switcher. It has 6 video inputs and 5 audio inputs. The device scales and switches any HDMI, VGA, YPbPr, C-Video or S-video video signal to HDMI up to 1080P.

The VSC-51 is controllable via buttons on the front, the IR sensor and the RS-232 port.

FEATURES

- 6 video Inputs: 2 x HDMI, 1 x VGA, 1 x YPbPr, 1 x C-video & 1 x S-video.
- Upscale to HDMI output at 1080P.
- 3 audio outputs: HDMI embedded audio, 3.5mm stereo audio and Coaxial (SPDIF).
- Selectable output resolutions.
- Adjustable display output H/V size to solve overscale problems.
- H/V adjustable display output position.
- Picture/MP3 display via USB (low-cost video player for a free-standing Kiosk).
- Powerful OSD function with full control; supports output freeze function.
- Presets of video parameters can be saved and selected from the on-screen display.
- Fast switching through black between source inputs eliminating visible transition.
- HDMI 1.3 and HDCP compatible.
- Firmware upgradable via USB.
- Front panel lockout.
- Wall/table mountable.
- Controllable via button, infrared remote controller (included) and RS-232.

Rear connectors



Specifications

Video General

Resolution range: 1080P, 1920x1080; 720P, 1280x720; WXGA, 1280x800; XGA, 1024x768.
Bandwidth: HDMI: 4.95Gbps (1.65Gbps per color), C-Video/S-Video: 150MHz
YPbPr: 170MHz, VGA: 375MHz
Maximum pixel clock: 145MHz
Video impedance: 75Ω
VGA cross talk: -50dB@5MHz
Input/output level: 0.5V~2.0Vp-p
Gain: 0dB
HDCP: Compliant with DVI & HDMI 1.3 standards

Video Input

Inputs: 2xHDMI, 1xVGA, 1xYPbPr, 1xC-Video, 1xS-Video, 1xUSB multimedia input.
Video signal: HDMI 1.3/DVI, VGA, RGBHV, RGBs, RGsB, RsBsGs, SECAM, PAL, NTSC 3.58, NTSC 4.42, MPEG /AVI /JPG for USB input.

Video Output

Outputs: 1xHDMI.
Video signal: HDMI.

Audio General

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

Audio Input

Input: 3 Stereo Audio (RCA), 2 embedded HDMI audio.
Input connector: RCA for YPbPr, C-Video & S-Video audio, 3.5mm jack for VGA audio, HDMI for embedded audio.

Audio Output

Output: Stereo audio, S/PDIF COAX, and HDMI audio
Output connector: 3.5mm jack for line audio, RCA for CO-AX audio (SPDIF), HDMI for embedded audio

Control

IR remote, buttons and RS-232 serial.

Power

Power supply: DC 12V adapter
Power consumption: 7W

Mechanical Specifications

Dimensions: H 1 3/4" (44mm), W 7 1/2" (195mm) with ears, D 4 3/8" (110mm) (wall mountable)
Weight: 0.88lb (0.4kg)

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 connection. Audio output shall be made available via a stereo audio connector. The device shall be remote controlled via an infrared remote controller. An LED shall indicate when the unit is receiving power. The product shall be the VSC-51 or approved equal.