VSC-101tn

Full HD Video Scaler Switcher with TCP/IP control   **Data Sheet**

DESCRIPTION

The VSC-101tn 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 RS-232 port. In addition, the VSC-101tn can be controlled via TCP/IP. The device also includes an HDBaseT output and a VCAT-HD receiver.

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 upgradable via USB.

- Output freeze function.

- Front panel lockout.

- Controllable via front-panel, infrared remote controller (included), RS-232 and TCP/IP.

- HDBaseT output.

- VCAT-HD Receiver for 70M shielded CAT6 transmission.

- Passes projector control strings via the VCAT-HD Receiver.

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, 1xHDBaseT
Output connectors: HDMI female connector, VGA(15 pin HD), RJ-45 connection (for HDBaseT)
Video signal: HDMI 1.3, VGA, HDBaseT

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, RS-232, TCP/IP.
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 with TCP/IP control

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, VGA or HDBaseT connection. Audio output shall be made available as amplified or non-amplified. The device shall include a VCAT-HD-R receiver for data transmission via CAT-6 cable. The device shall be controllable via buttons on the front panel, the remote controller, or via TCP/IP. 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-101tn or approved equal.