

Scaler Switcher - ALF-SC121D-TN

Scaler Switcher with Digital Amplifier



DESCRIPTION

SC121D-TN is a full HD scaler switch with 12 video, 6 audio & 2 MIC inputs. It scales & switches any video signal HDMI, VGA, YPbPr, C-Video & S-video to HDBaseT, HDMI & VGA simultaneously, and any audio to 2x20W amplifier. It's controllable via the button, IR, RS232 & TCP/IP.

It's a remarkable scaler for an education institution, meeting room, conference room, demonstration hall etc with its excellent performance.

FEATURES

- 12 Video Inputs: 4 HDMI, 4 VGA, 1 YPbPr2, 2 C-video & 1 S-video.
- 2 MIC inputs with level control and mixer function.
- Upscale to outputs HDBaseT, HDMI & VGA simultaneously up to 1080P.
- HDBaseT output to be paired with receiver TPHD402PR for 60M transmission.
- Built-in 2x20Watt@4Ω digital amplifier (or 2x10Watt@8Ω).
- Output resolution selectable to assure preferred output.
- Output display H/V position moveable.
- MIC volume and line volume adjustable.
- Video parameter setting and preset.
- Powerful OSD function with full control
- Ultra-switching for instantaneous display
- HDMI 1.3 and HDCP compliant.
- Firmware updateable via USB
- Output freeze function.
- Energize PoC receiver (e.g. TPHD402PR) with PoC function.
- Front panel lockout.
- Controllable via receiver TPHD402PR at display end.
- Controllable via button, IR, RS232 & TCP/IP.

TECHNICAL SPECIFICATIONS

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Video

Input	: 4 HDMI, 4 VGA, 1 YPbPr, 2 C-Video, 1 S-Video
Input Connector	: HDMI female connector, VGA (15 pin HD), female connector, RCA female connector, 4 pin mini DIN connector
Input Video Signal	: HDMI 1.3, RGBHV, RGBs, RGsB, RsBsGs, NTSC 3.58, NTSC 4.42, PAL, SECAM
Output	: 1 HDMI, 1 VGA, 1 HDBT
Output Connector	: HDMI female connector, VGA (15 pin HD), female connector, RJ-45 Connector
Output Video Signal	: HDMI 1.3, VGA, HDBaseT
Resolution Range	: [1080P, 1920x1080] [HD, 1360x768] [720P, 1280x 720] [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
Gain	: 0dB
I/O Level	: 0.5V ~ 2.0Vp-p
HDCP management	: Compliant with High-bandwidth Digital Content Protection (HDCP) with DVI & HDMI 1.3 standards.

TECHNICAL SPECIFICATIONS CONTINUED

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Audio

Input	: 6 Stereo Audio for line audio 2 MIC audio
Input connector	: 4 RCA female conector for YPbPr, C-Video & S-Videl audio, 4 3.5mm jack for VGA audio, HDMI for HDMI embedded audio
Audio input Impedance	: >10 Ω
Output	: Stereo audio for line audio, 2x10W@8 Ω / 2x20W@4 Ω amplifier
Output Connector	: RCA connector, Amplifier connectoer
Audio Output Impedance	: 75 Ω

Audio General

CMRR	: >90dB@20Hz to 20KHz
Frequency Response	: 20Hz ~ 20K Hz
Stereo Channel Separation	: >80dB@1KHz

Control Parts

Control/Remote	: IR remote, Buttons & RS-232, TCP/IP
Pin Configurations	: 2=TX, 3=RX, 5=GND

General

Temperate	: -10 ~ +40 $^{\circ}$ C
Humidity	: 10% ~ 90%
Power Supply	: 100VAC ~240VAC, 50/60Hz
Power Consumption	: 65W
Dimension (W*H*D)	: 483 x 44 x 235mm
Weight	: 2.2Kg

SYSTEM DESIGN

