

# SCALER SWITCHER - ALF-SC51TS

## Compact Scaler Switcher (with PoH)



### DESCRIPTION

SC51TS is a compact mini scaler switcher with 5 video inputs ( 1 HDMI/MHL, 2 HDMI, 1 DP, and 1 VGA) and 3 Audio inputs ( 1 DP external audio, 1 VGA auxiliary audio, 1 MIC audio). The VGA input supports VGA, YPbPr and C-video, so the scaler switcher is compliant with multiple video signals.

SC51TS scales & switches any video signal to HDMI output and HDBaseT output (Supports PoH and connects to an HDBaseT Receiver, up to a maximum transmission distance of 70 meters)

With 1 IR IN, 1 IR OUT & 1 RS232, the IR & RS232 signals can be transmitted bi-directionally between SC51TS and the HDBaseT receiver.

In addition, SC51TS can be controlled via front panel buttons, IR remote, RS232 commands and web-based GUI.

## FEATURES

---

- Compliant with HDMI1.4 & HDCP2.2
- Supports CEC, with commands to enable/disable this function
- Supports video source auto-switching function.
- Bi-directional IR & RS232 control.
- Output resolutions selectable to assure preferred output, and supports various output resolutions, such as 1920x1200, 192x1080, 1600x1200, 1600x900, 1360x768, 1280x800, 1280x720, 1024x768.
- VGA video supports C-video, YPbPr and VGA.
- 48V phantom power to support condenser microphone.
- MIC port supports balance/unbalance signal, suppress the external noise effectively.
- 3-level MIC input, supports condenser microphone, dynamic microphone and wireless microphone.
- Controllable via buttons, IR remote, RS232 & Web-based GUI.
- Powerful OSD function.
- Supports online software upgrading.

## TECHNICAL SPECIFICATIONS

---

### Compact Scaler Switcher (with PoH)

#### Video

Video input	: 1 HDMI/MHL, 2 HDML, 1DP, 1VGA
Video Input Connector	: 3 female HDMI, 1 DisplayPort, 1 Female VGA (15-pin)
Input Video Signal	: HDMI, DP, YPbPr, C-Video, VGA
Video Output	: 1 HDMI, 1 HDBaseT
Video Output Connector	: 1 Female HDMI, 1 RJ45
Video Output Signal	: HDMI, HDBaseT
Output Resolution	: 1920x1200, 1920x1080, 1600x1200, 1600x900, 1360x768, 1280x800, 1280x720, 1024x768
Standards	: Compliant with HDMI1.4 & HDCP2.2

#### Audio

Audio input	: 1 Stereo audio input for DP, 1 Stereo audio input for VGA, 1 Microphone audio
Audio Input Connector	: 2 3.5mm Stereo jacks, 1 3-Pin phoenix connector
Audio Input Impedance	: >10Ω
Audio Output	: 1 Dual-Mono analog audio
Audio Output Connector	: 1 5-Pin phoenix connector
Audio Out Impedance	: 70Ω
Frequency Response	: 20Hz ~ 20K Hz
Stereo Channel Separation	: 80dB @1KHz

#### Control Part

Control Port	: 1 IR IN, 1 IR OUT, 1 IR EYE, 1 RS232, 1 TCP/IP
Control Connector	: 3 3.5mm mini jack, 1 3-Pin phoenix connectors, 1 RJ45

#### General

Transmission Distance	: 1080P≤70m(Cat6)
Temperature	: 0 ~+50°C
Humidity	: 10% ~ 90%
Power supply	: DC24V 2.71A
Power consumption	: 27W
Dimension (W*H*D)	: 220mm x 44mm x 172.5mm
Weight	: 800g

## SYSTEM DESIGN

