

# SCALER SWITCHER - ALF SCU91T-N

## 4K Compact Scaler Switcher (9in 1out)



### DESCRIPTION

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The SCU91T is a 9 inputs multi-format A/V presentation auto 4K Scaler Switcher that scales video signals to HDMI and HDBaseT outputs simultaneously. The HDBaseT output supports 48V PoH and can connect to a compatible HDBaseT receiver up to a maximum of 100 meters (328ft).

With 1 IR ALL IN and 1 IR ALL OUT, the IR control signals can be transmitted bi-directionally between the SCU91T and compatible HDBaseT receiver or HDBaseT Transmitter.

The SCU91T can be controlled either by front panel buttons, IR Remote, RS232 or GUI. With a microphone input that supports phantom power and a balanced stereo audio output for audio reinforcement, the SCU91T can handle a myriad of A/V applications.

## FEATURES

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- Compliant with HDMI 1.4 and HDCP 2.2
- Supports video source auto-switching function
- HDBaseT input with distances up to 70m (230ft) and 1080p and 40m (13ft) at 4K on a single CAT5e/6/7 cable.
- HDBaseT output with distances up to 100m (328ft) 1080p and 70m (230ft) at 4K x 2K on a single CAT5e/6/7 cable.
- Output resolutions selectable to assure preferred output, and supports various output resolutions, such as 1280x720(default) , 1920x1080, 1024x 768, 1360x768, 3840x2160@30Hz, 3840x2160@60Hz.
- DP, HDMI and VGAVideo inputs can be embedded with external audio
- Support Line or Mic audio inputs, and the MIC port supports a balance/unbalance signal;. suppress the external noise effectively.
- Controllable via buttons, IR Remote, RS232 and GUI
- Powerful OSD function
- Bi-directional IR and RS232 pass-through
- Convenient firmware update port.

## TECHNICAL SPECIFICATIONS

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### 4K Compact Scaler Switcher

#### Video

Video Input	: 1 HDBaseT, 1 Display Port, 5 HDMI, 2 VGA
Video Input Connector	: 1 RJ45, 1 Female display port, 5 Type A HDMI, 2 15-Pin Female VGA
Input Video Resolution	: Up to 4Kx2K@60Hz 4:2:0
Video Output	: 1 HDMI, 1HDBaseT
Video Output connector	: 1 Type A HDMI, 1 RJ45
Output Video Resolution	: 1280x720 (default), 1920x1080, 1024x768, 1360x768, 3840x2160@30Hz, 3840x2160@60Hz
Video Standards	: HDMI 1.4 and HDCP 2.2

#### Audio

Audio Input	: 1 Stereo Audio Input for 2-DP, 1 Stereo Audio Input for 3-HDMI, 2 Stereo Audio inputs for 8-VGA and 9-VGA, 1 LINE Audio, 1 MIC Audio
Audio Input Connector	: 4 3.5mm Stereo jacks, 2 3-pin Phoenix Connector
Audio Input Impedance	: 10K $\Omega$
Audio Output	: 1 Dual-Mono Analog Audio, 1 power Amplifier with Fixed Voltage
Audio Output connector	: 1 5-pin Phoenix Connector, 1 3-pin Phoenix Connector
Audio Output Impedance	: 70 $\Omega$
Frequency Response	: 20Hz ~ 20K Hz
Stereo Channel Separation	: $\geq$ 80dB@1K Hz

#### Control Part

Control Port	: 1 Firmware, 1 IR eye, 1 IR all in, 1 IR all out, 3 RS232, 1 TCP/IP
Control Connector	: 1 Type-A USB, 3 3,5mm mini jacks, 3 3-pin Phoenix connectors,. 1 RJ45

#### General

Transmission Distance	: HDBaseT Input: 1080p $\leq$ 70m, 4K x 2K $\leq$ 40m, HDBaseT Output: 1080p $\leq$ 100m, 4K x 2K $\leq$ 70m,
Operation Temperature	: -10 ~ +55 $^{\circ}$ C
Storage Temperature	: -25 ~ +70 $^{\circ}$ C
Relative Humidity	: 10% - 90%
External Power Supply	: 100V ~240V AC
Power Consumption	: 45W (MAX)
Dimension (W*H*D)	: 436.4mm x 44mm x 276.5mm
Net Weight	: 3.17Kg

## SYSTEM DESIGN

