

# Full Digital Networked DSP Conference Processor for boundary microphone

## SVBLC1 Full Digital Networked DSP Conference System



### Specifications

Static power consumption	12W
Frequency Response	20Hz ~ 20KHz
Noise ratio (S / N)	>96dBA
Maximum power consumption	150W
Total harmonic distortion	<0.05%
Channel Crosstalk	> 85dB
Dynamic range	>94dB
Ethernet control	RJ45 connected to PC
RS-232 control	1×9-pole Sub-D female socket 1×9-pole Sub-D male socket
Mounting	19" standard rack Dimensions (mm) 483L x 260W x43.6H
Max. audio inputs	LINE IN 1: +10dBu LINE IN 2: +10dBu
Max. audio outputs	LINE OUT 1: +12dBu BAL. LINE OUT 2: +12dBu BAL. LINE OUT 3: +12dBu BAL. LINE OUT 4: +12dBu BAL.
Transmission technology	WIFI 802.1n
Encryption technology:	WPA2-PSK AES Working
frequency	5.2-5.8 GHZ
Output impedance	>1kΩ
PC communication method	TCP/IP Camera control method: RS-232/UDP
Display	LCD1602
Limit on the number of speakers	1/2/4, max in 6 persons
Operating temperature	0~45°C
Storage temperature	20~50°C
Network Interface	RJ45
Camera Tracking Protocol	PELCO-P/PELCO-D/VISCA
Safety	CE, c-UL, UL

SVBLC1 is a control versatile conference management centre compact size but gets a lot of features. provides power to all the chairman/delegate units, manages any requests for a meeting like adjusting the sound of each unit, AGC(Automatic Gain Control)/AFC(Adaptive Feedback Cancellation)/ANC(Active Noise Control )/Mix (Auto-Mix) technology is processed silently inside.

### Features

- The unique digital ring network technology achieves full-digital signal transmission and processing.
- Single CAT5e cable transmits 64 channels of audio and various information.
- All microphone units support audio, and ID independent output. Working with a voice recognition system to achieve voice role separation.
- High-fidelity sound quality, lossless audio transmission technology, 48K audio sampling frequency, 20Hz ~ 20KHz response frequency.
- A single conference controller can realize the independent control and merge of 4 conference rooms and can handle the cascade of multiple conference controllers to realize the merging and separation of larger conference rooms (including conference management, etc.).
- "Hand-in-Hand-Loop-Network" connection makes the system always work perfectly no matter changing the discussion unit or having any malfunctioned units.
- The sensitivity of the unit microphone and 8-segment equalizer EQ was adjusted independently.
- The main controller comes with a self-learning AFC automatic feedback algorithm, combined with array microphones, and short-stem microphones to achieve ultra-long pickup distance.
- Support AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Acoustics Noise Cancellation) Sound output by separated zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without a whistle.
- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video conferencing terminal.
- USB recording, controller monitor, advanced noise cancellation technology to realize clearer recording.
- Display with date, time management, and support speech time, countdown speech.
- Optional DANTE output module with other DANTE equipment used. Can drive 2\*120W POE speaker through extension main unit, support up 16 POE speakers.

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