

VST-4400 Series

Versatile Optical Signal Solution

The VST-4400 series is a diversified and versatile optical signal solution. It supports 8 channels of 12G-SDI, 4 bidirectional audio, 2 Independent Sync, 8 RS-422 serial data, 2 Gigabit Ethernet, 8 GPIO, etc. VST-4400 series achieves signal extension and power supply to remote unit via SMPTE hybrid cables, which can be widely used in applications such as Venue Production and Sports Broadcasting.

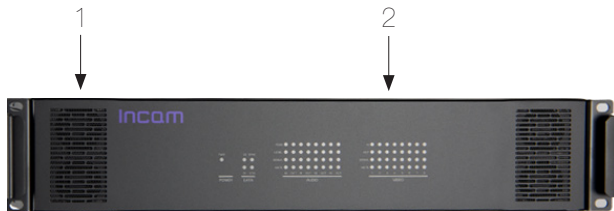
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Feature

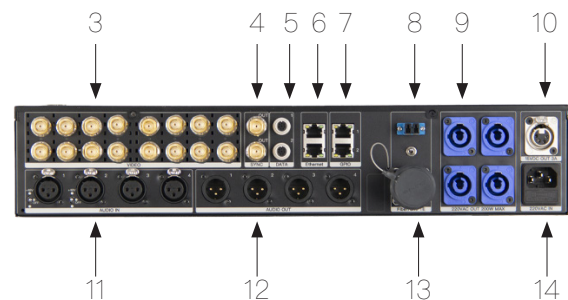
- 2 RU size chassis with AC power supply, dual redundant AC power supply as option
- Support SMPTE 304M connector/ LC connector with options including SC, FC, ST standard connectors
- Compatible with common single-mode fiber, typical transmission distance up to 10 km, optional 80km distance module
- Supply power to remote device up to 1 km via SMPTE Hybrid cable
- Independent video transmission channels with re-clocking and cable equalization, all input/output processing passed Pathological test
- Built-in bidirectional CWDM, support third-party optical transmission equipment (specified wavelength)
- Adhere to analog line standards and supports 4-wire intercom, supports Mic/Line audio signals and +48VDC Phantom power

Panel



- 1) Fan
- 2) Lighting
- 5) Serial Data
- 6) Ethernet
- 9) AC Out
- 10) DCOut
- 13)SMPTE Connector
- 14)AC In

Connector



- 3)SDI In/Out
- 4)Sync
- 7) GPIO
- 8)Fiber Connector
- 11) Audio Out
- 12)Audio In

Technical Specifications

Dimension	Weight	Power Consumption	Operating Temperature	Operating Humidity
218*45*273mm	约 2.3 公斤	AC 100-240V	0°C to +40°C	20% to 80%

Ethernet	Serial Data	Sync	GPIO	Fiber Connector
RJ45(X2) ,1000BASE-TX	8 芯 (x2)	BNC (X2)	RJ45 (X2)	LC (x2)

Video	Connectors	Signal Format	Impedance	Cable Equalization
12G-SDI	BNC (x16)	SMPTE ST 2082-1/2081-1	75Ω />4dB	50 米, Belden 4794R
3G-SDI		SMPTE 424M/292M/259M	75Ω />10dB	100 米, Belden 1694A

Video	Amplitude	DC Offset	Rising/Falling Time	Jitter Timing/Align
12G-SDI	800mV	±4mV	38ps/37ps	0.58UI/0.10UI
3G-SDI			56ps/ 52ps	0.12UI/0.05UI