![tvONE logo]

Routing Switcher – HD-SDI
Model S2-108HD

S2-108HD reclocking SD/HD-SDI Routing Switcher may function as an 8x2 standalone switcher or as an input expansion module for any of the C2-2000 series Scaler Switchers with SD/HD-SDI inputs to provide seven additional SD/HD-SDI inputs to those devices. Since the unit is fully compliant to SMPTE 292M and 259M, it can be used to switch SD-SDI and HD-SDI signals. The S2 Switcher connects to the C2 unit via an OPTION interconnect cable and is fully integrated into the control system of the host C2 unit.

Multiple S2 units of different formats may be interfaced to a single C2 product, however only one of any given format may be connected. The Windows Control Panel recognizes the C2 unit and all the connected S2 units as a single Multi-format Seamless Switcher. This fully customizable approach allows the user to choose the appropriate C2-1000/2000 unit and the S2 Switchers to achieve the desired number of inputs. S2 Switchers are available in a variety of video formats, with or without Stereo Audio. A Stereo only model is also available with variable delay. The units are housed in desktop cases and optional Single/Dual Rackmount Kits are available. External power adapters are provided for the S2 units.

S2 Series Switchers can be controlled via front panel Push Buttons, IR Remote Control or via RS-232.

Key Features of S2-108HD Routing Switcher
- 8x SDI (SD or HD-SDI) Inputs
- 2x SDI (SD or HD-SDI) Outputs
- Compliant to SMPTE 292M and 259M
- Automatic Reclocking and equalization
- Interface to Host via OPTIONS Connector
- Controllable via RS-232, IR or Front Panel
- Unit may be used as a standalone switcher
- Additional versions available for most formats
- Optional Single/Dual Rackmount Kit available

Specifications

Video Inputs/Outputs	
Inputs	8x SDI (SD or HD-SDI) via BNC
Outputs	2x SDI (SD or HD-SDI) via BNC
Video Specifications	
Max Output Level	800 mVpp/75Ω
Jitter	0.2 UI (or better)
Data Rate	Up to 1.485 Gbps
	Automatically detected
	Output reclocked
	Non-compliant 259M and 292M
	Auto bypasses reclocker
	Loss of lock indication
Compliance	
SMPTE	259M and 292M
Control	
Standalone Operation	Push Button, IR, RS-232
From C2 Series Device	via D-15 OPTION cable (Note 1)
Mechanical	
Size (H-W-D)	41.5x218x150mm(1.63"x8.6"x5.9")
Weight (Net)	1.18kg (2.60 lbs)
Warranty	
Limited Warranty	5 Years Parts and Labor

Environmental	
Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing
Power Requirement	
S2-108HD	12VDC @ 350mA
Regulatory Approvals	
Expansion Units	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS
Product Item Numbers	
S2-108HD Switcher	8x2 SD/HD-SDI
Accessories Included	
1x Operations Manual	S2 Series
1x Power Adapter	US, UK, Euro or AU
1x OPTION Interconnect	D-15M to D-15M & D-15F Cable
Optional Accessories	
RM-220	Single/Dual Rackmount Kit
IRC-5	Infrared Remote Control

Panel Drawings