

S2-109PC, S2-105PC and S2-105PCA may function as standalone routing switchers or as input expansion modules for the C2-1000/2000 Scaler/Switchers to provide additional inputs to those devices. The S2-109PC adds 9x RGB/YPbPr inputs, the S2-105PC adds 5x RGB/YPbPr inputs and the S2-105PCA adds 5x RGB/YPbPr and 5x Stereo inputs to the C2 unit. All units provide one RGB/YPbPr output. 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 Scaler/Switcher.

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 Switcher/Scaler 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. A single 5-Input S2 unit can be powered via the host C2 unit's OPTION Interconnect Cable, which also supplies control. External power adapters are provided for the additional S2 units connected to the C2.

Standalone Operation - S2 Series Switchers can also operate as standalone Video and Audio Routing Switchers. Input selection is by front panel Push Buttons, IR Remote Control or via RS-232.

Specifications

Video Inputs/Outputs	
S2-105PC Inputs	5x via HD15 Connectors
S2-105PCA Inputs	5x via HD15 Connectors
S2-109PC Inputs	9x via HD15 Connectors
All Product Outputs	1x via HD15 Connector
Video Characteristics	
Bandwidth	>450 MHz
Accommodated Formats	RGBHV, YPbPr
Resolution (60Hz)	Up to 1920x1200 and 1080p
EDID	Switches ID00 to ID03
Audio Inputs/Outputs (S2-105PCA Only)	
Inputs	5x via 3.5mm Mini-Stereo Jacks
Output	1x via 3.5mm Mini-Stereo Jack
Audio Characteristics (S2-105PCA Only)	
Analog	Unbalanced
Frequency Response	100KHz +/- 3dB
Control	
Standalone Operation	Push Button, IR, RS-232
From C2 Series Device	via D-15 OPTION Connector
Mechanical	
Size (H-W-D)	41.5x218x150mm (1.63"x8.6"x5.9")
S2-105PC Weight (Net)	1.10kg (2.42 lbs)
S2-105PCA Weight (Net)	1.12kg (2.46 lbs)
S2-109PC Weight (Net)	1.18kg (2.60 lbs)



Key Features of S2-PC Series Routing Switchers

- S2-109PC has 9x RGB/YPbPr Inputs
- S2-105PC has 5x RGB/YPbPr Inputs
- S2-105PCA has 5x RGB/YPbPr Inputs and 5x Stereo Audio Inputs
- All units have 1x RGB/YPbPr Output
- Resolutions up to WUXGA and 1080p
- Interface to Host via OPTIONS Connector
- Controllable via RS-232, IR or Front Panel
- Units may be used as a standalone switchers
- Companion versions available for most formats
- Optional Single/Dual Rackmount Kit available

Warranty

Limited Warranty 1 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

All Models 12VDC @1A (Note 1)

Regulatory Approvals

Expansion Units FCC, CE, RoHS
 Power Supplies UL, CUL, CE, PSE, GS, RoHS

Product Item Numbers

S2-105PC Switcher 5x1 RGBHV/YPbPr
 S2-105PCA Switcher 5x1 RGBHV/YPbPr/Stereo Audio
 S2-109PC Switcher 9x1 RGBHV/YPbPr

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

Note

(1) The C2-1000/2000 series supplies enough power via the Options Connector for one 5-Input S2 unit. Additional S2 units may be powered with the separate power adapters that are included.

Routing Switchers – RGB/YPbPr

Models S2-109PC, S2-105PC, S2-105PCA

Panel Drawings

