

Knox Video Technologies

RSII Series

Specifications

Description: The Knox RSII series switchers accept up to sixteen composite, Y/C, HD component, or SDI video sources, sixteen balanced or unbalanced stereo audio sources, and connects any one of the input sources to one or more sixteen outputs with optional volume and tone control. Composite routers include a second BNC connector for looping through to another device, such as a preview monitor.

Video: These crosspoint routers provide full-matrix switching of composite, Y/C (S-Video), HD component analog video, or SDI digital video. Active, fully buffered, high bandwidth crosspoint modules allow video to be switched simultaneously without crosstalk. A dedicated reference sync input is provided with the composite video version, allowing a source of blackburst to be connected for glitch-free switching.



RSII

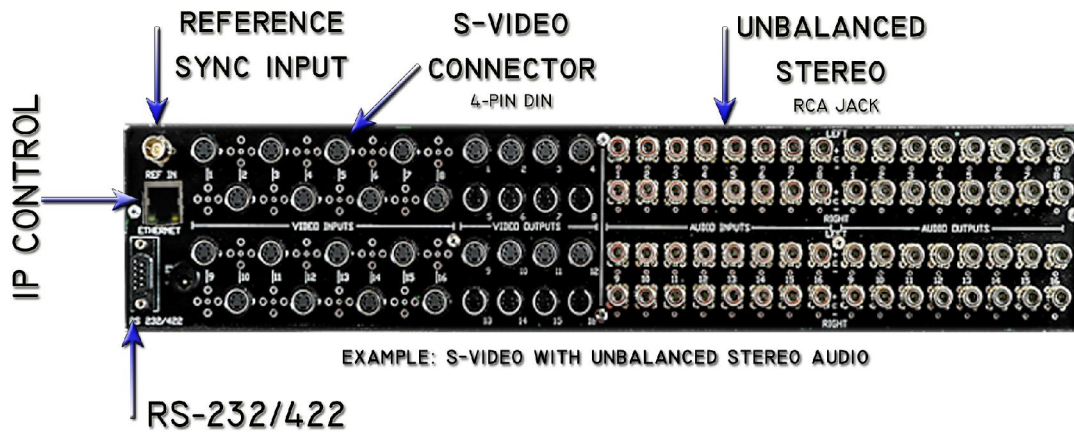
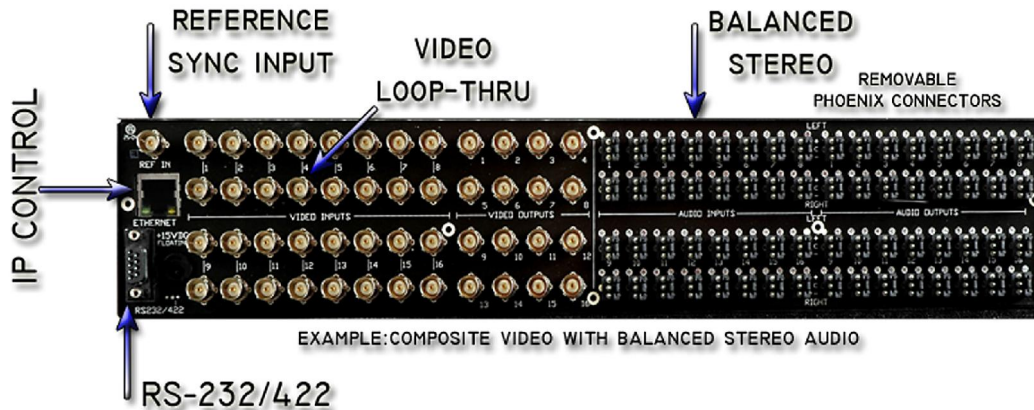
Audio: The RSII series is available with low noise 3-wire balanced stereo audio or RCA-style unbalanced stereo audio. With the optional volume and tone package, sound adjustments control volume, bass, treble, balance, input trim and mute. Adjust each output individually for optimal audio quality in any environment. Built-in salvo commands allow adjusting all zones at once.

Control: In addition to the standard RS232/422 serial control port, keep the system safe and secure with the standard faceplate or order the RSII with the optional **Detachable Front Panel Controller (DFPC)**. Additional control options include a built-in IP (ethernet) control for operation over a LAN or Internet. The RSII is fully compatible Control4, Creston, AMX and Leightronix touchscreen and event controllers.

Optional Front Panel Controller



Dimensions: Composite, Y/C, and SDI = 2U Rackmount Chassis - 19" W x 9"D
 Component = 3U Rackmount Chassis - 19"W x 9"
Warranty: 5-year parts and labor.



Specifications for RSII Series

Video Channels:

Levels: 1 v NTSC, Y/C, RGB
 Frequency Response: DC to 30MHz
 @ 1v <3db down at 30MHz
 Input Impedance: 75 ohms
 Output Impedance: 75 ohms
 Crosstalk: less than -70db@5MHz

Connectors:

Video: BNC, Y/C uses 4 pin S-Video connector
 Audio: RCA - Unbalanced
 Weco Removable - Balanced
 RS232/422: DB9 female
 IP Control: RJ45

Unbalanced Audio Channels:

Levels: 2v p-p
 Frequency Response: 20Hz through 30KHz
 Input Impedance: 15Kohm
 Output Impedance: 100 ohm
 Crosstalk: less than -85db@1KHz

Balanced Audio Channels:

Levels: 0,4, or 16dB clipping at 18dB
 Hum and Noise: Less than -90dB
 Frequency Response: 20Hz through 50KHz +/- 1/4dB
 Input Impedance: Bridging or 600 Ohm Termination
 Output Impedance: 100 ohm
 Crosstalk: less than -90db@20KHz
 Connectors: Removable, screw terminal

Power Consumption: nominal 12v, 1.5 A from external switching power supply
 Input Voltage: 100 to 240 VAC, 50/60Hz, .5A, 40 watts maximum
 Dimensions: 19" wide by 3.5" high by 10" deep 2RU
 Shipping weight: 12 pounds

Specifications subject to change without notice