

DIGITAL 2100 SERIES ROUTING SYSTEMS

Sigma's 2100 Series digital routing systems are available for all of your SMPTE 259M digital video and AES/EBU digital audio needs. Each system comes complete with a control panel. For the full list of available digital small routing systems, please visit our website.



FEATURES

- High quality, low cost
- 4x4 to 16x16 input/output systems
- Control panel included

Prices and specifications are subject to change without notice

The specifications listed below apply to standard features and signal options for all digital 2100 Series routing systems. These systems are available with most combinations of available signal types. To see our full list of digital 2100 Series routing systems, please visit our website at www.sigmaelectronics.com.

SPECIFICATIONS

DIGITAL AUDIO

INPUTS

Four, eight, or sixteen, 110 Ω terminated	
Level	7V p-p max.
Coupling	Transformer
Common Mode Rej.	7V Peak DC to 20 kHz

OUTPUTS

Four, eight, or sixteen, 110 Ω , impedance	
Level	7V p-p max. (3.7V p-p typ.)
Coupling	Transformer
Output Isolation	>50 dB
Rise & Fall Time	<30 nsec (10% to 90%)
Common Mode Noise	30 dB below signal
Jitter	<20 nsec
Electrical Length	70 nsec typical

ANALOG AUDIO (BALANCED)

INPUTS

Four, eight, or sixteen, 50 k Ω , balanced	
Level	+24 dBu max. 600
Bandwidth	>150 kHz
Connectors	3 pin pluggable

OUTPUTS

Four, eight, or sixteen, 300 Ω , balanced	
Level	+21 dBm max. 600
Gain Adjustment	± 3 dB, set for unity
THD	<0.1% @ +10 dBm
Freq. Response	± 0.1 dB, 20 Hz to 100 kHz
Crosstalk	80 dB to 20 kHz
Hum & Noise	<-80 dBm to 20 kHz
Connectors	3 pin pluggable

DIGITAL VIDEO

INPUTS

Four, eight, or sixteen, 75 Ω terminated	
Level	800 mV p-p
DC Offset	± 4 VDC max.
Data Rate	Up to 400 Mb/s
Connectors	BNC

OUTPUTS

Four, eight, or sixteen, 75 Ω , impedance	
Level	800 mV p-p $\pm 10\%$
Output Isolation	>45dB
Over Shoot	<10% of total amplitude
Rise & Fall Time	<1.5 nsec (20% to 80%)
Jitter	<0.5 nsec
Electrical Length	6 nsec typical
Connectors	BNC

CONTROL

SCI Module Port	SCI2144 RS-232/RS-422
Control Panel	Button per source/destination or numeric keypad
Control levels	4, with breakaway
Take	Preset or AutoTake
Connection	BNC/Coax, 2000 feet max.
Configuration	Rack Mount Ball stud hardware included
Power	9 Vdc 300mA, wall transformer included

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