

DIGITAL SMALL ROUTING SYSTEMS

Sigma's small 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

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The specifications listed below apply to standard features and signal options for all digital small routing systems. These systems are available with most combinations of available signal types. To see our full list of digital small 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 \pm 3 dB, set for unity
THD <0.1% @ +10 dBm
Freq. Response \pm 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 \pm 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