

HD/SDI/AES 16x16 DIGITAL VIDEO MATRIX SYSTEMS (DAGGER SERIES)

FEATURES

- Highest quality at an economy price
- 16x16 SDI or HD (auto-sensing) in 1RU complete
- Automatic input equalization and reclocking of all outputs
- Controlled via local control panel or via RS-232/422 port on System Controller
- HSY16S control panel (shown) supplied standard
- Operates as a stand-alone router or as part of a Sigma 2100 switching system
- Can be configured HD, HD/SDI or combined with AES audio levels

SPECIFICATIONS
INPUT

Quantity/Connector	16, 75Ω BNC, terminated
Signal Type	SMPTE 259M, 344M, & 292M formats
Frequency	Up to 1.485 Gb/s
Normal Input Level	800 mVp-p ±10%
DC Offset	0 ± 0.5V
Return Loss	> -20 dB (5 MHz to 540 MHz) > -18 dB (540 MHz to 1.485 GHz)
Equalization	Auto typ. max. equalized length of Belden 1694A cable: 270Mb/s - 350m (1150 ft.) 1.485Gb/s - 140m (450 ft.)

MECHANICAL/POWER

Power Consumption	30W
Operating Temperature	32° F - 122° F (0° C - 50° C)

OUTPUT

Quantity/Connector	16, 75Ω BNC, terminated
Signal Type	SMPTE 259M, 344M, 292M formats
Reclocking	Automatic
Return Loss	> -20 dB (5 MHz to 540 MHz) -18 dB (540 MHz to 1.485 GHz)
Output Amplitude	800 mVp-p ±10%
Rise/Fall Time	270 Mb/s 400 - 1500 ps 1.485 Gb/s <270 ps
Overshoot	< 10% of amplitude

SYSTEM CONTROL INTERFACE

Data Transmission System	RS-232 & RS-422
Serial Port Baud Rate	Up to 38,400 baud
Control Levels	4, (follow mode w/ HSY16S control)
Communication Line	Coaxial, up to 2000 feet
External Sync Reference	Composite Sync or blackburst
Control Panel Addresses	Up to 16 on Comm. Line
Connectors	BNC for Comm. Line 9 Pin "D" for serial port

Prices and specifications are subject to change without notice