

DCH-2000AD SD-SDI / DVB-ASI Active Signal Splitter

DCH-2000AD is a high-density active DVB-ASI/SD-SDI signal splitter, which can duplicate one SDI (SMPTE 259M) or DVB-ASI (EN50083) signal to 4 or 8 signals. In each 1RU unit, either 4 groups of 1 to 4 splitter or 2 groups of 1 to 8 splitter can be implemented. It provides clock regeneration and equalization of the input signals and it allows more than 100 meter signal distribution. DCH-2000AD is a reliable ASI/SDI signal splitting device that could be widely used in broadcast system redundancy.



Main Feature

- Compatible with DVB-ASI EN50083 and SDI SMPTE 259M standards
- DVB-ASI and SD-SDI source automatic detection
- DC 12V backup power supply
- LED indication of input lock and bit rate on front panel
- Provides automatic input cable re-clocking and equalization to 100 meters (Beldon 8281)

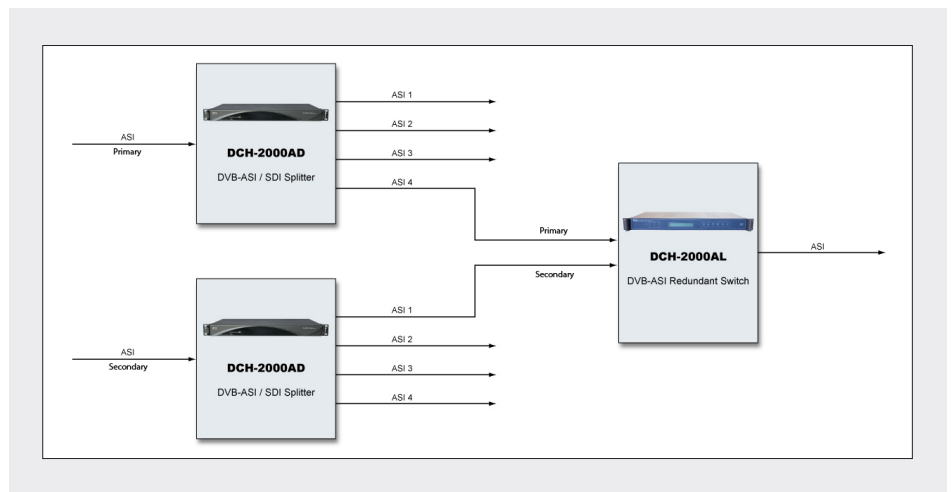
duplicates single SDI or DVB-ASI signal to 4 or 8 outputs



Dual Color LED indication of input lock and rate on front panel



DC 12V backup power supply



Specification

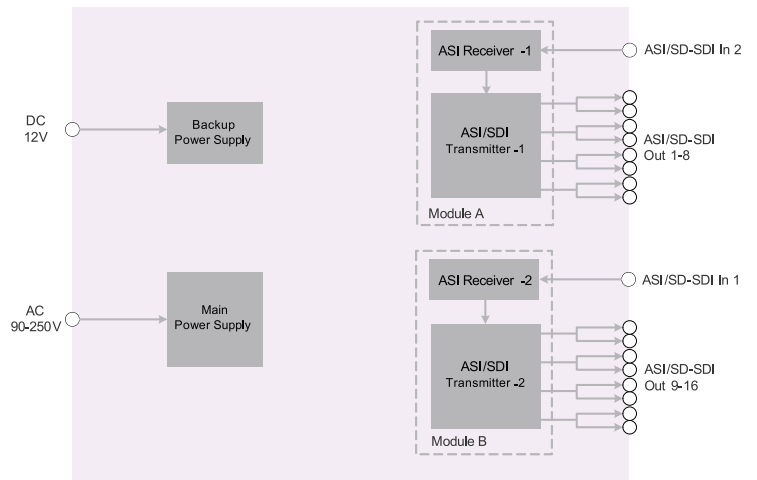
Input	
Connector Type	BNC Female, 75Ω
Input Port Number	4 or 2
Input Return Loss	≥15dB (5~270MHz)
ASI/SDI Input Amplitude	200~1000mV
Output	
Connector Type	BNC Female, 75Ω
Output Number	4* or 8*
ASI/SDI Output Amplitude	800mVpp ± 10%
Control & Monitoring	

Local Monitoring	4 × LED indication of input lock for DCH-1000AD-414
	2 x LED indication of input lock for DCH-1000AD-218
Physical	
Dimension	44mm × 483mm × 255mm
Weight	2.4Kg Net, 3.5Kg Gross
Power Supply	AC 90V ~ 250V, 50/60Hz
Power Consumption	5W
Operating Temperature	0 ~ 45°C
Storage Temperature	-10 ~ 60°C
Operating Humidity	10 ~ 90%, non-condensed

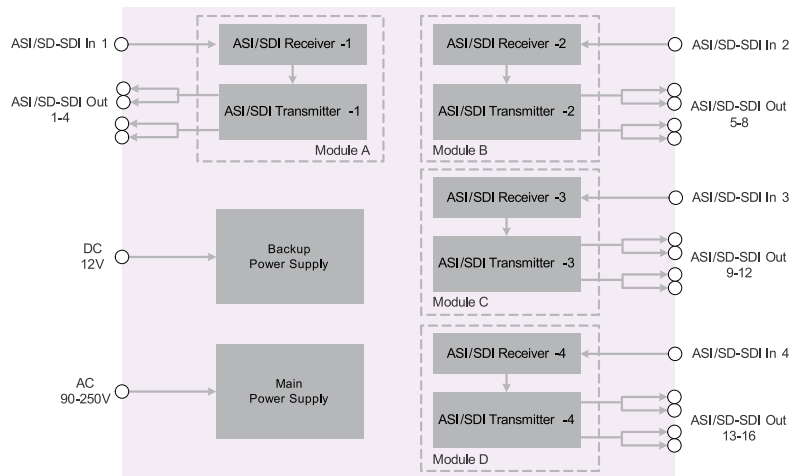
* the input signal cannot be looped through when power is off.

Block Diagram

DCH-2000AD(218) Function Block Diagram



DCH-2000AD(414) Functional Block Diagram



Order Information

Functionality	Model	DCH-2000AD-218	DCH-2000AD-414
Input interface		2	4
Output interface		2 × 8	4 × 4

Back panel Interface

