

**MEDIA LINKS®**

Pixel Perfect Delivery

**4 Port SD / SDTI / DVB-ASI Video Module Adapts Local Video Feeds to the Wide Area Network via the MD8000 SW-CNT**

**FUNCTIONS**

- External interface to SD/SDTI/DVB-ASI user circuit
- Internal electrical interface to MD8000 SW-CNT modules

**FEATURES**

- Accepts 1-4 input signals
- DVB-ASI can operate in byte or burst mode
- Granular bandwidth allocation

**APPLICATIONS**

- Carrier Class Media Delivery Networks
- High Performance Studio Interconnects
- Flawless Contribution Video Transport
- Reliable Content Delivery Systems
- Integrated Live, Recorded and File-Based Communications

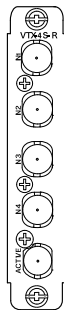
**MD8000-VTX-4S**

**4 Port SD / DVB-ASI Video Module TX**

The VTX-4S board accepts one to four channels of SD-SDI, SDTI or DVB-ASI signal input, encapsulates them port by port into Ethernet frames with or without robust Forward Error Correction (FEC) and transfers them to the MD8000 SW-CNT modules.

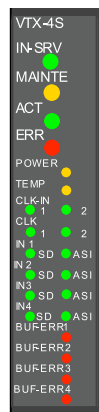
Four Terminating inputs are provided with one monitor output. In addition to uncompressed SDI or SDTI, CBR (Constant Bit Rate) DVB-ASI signals in either in byte or burst mode, can be accepted by the VTX-4/s.

Each encapsulated video service (SDI/SDTI/DVB-ASI) can have a unique destination or multiple destinations in the network.



Name	Type	Discription
IN1	BNC (75ohm)	SD-SDI or DVB-ASI Signal Input 1
IN2	BNC (75ohm)	SD-SDI or DVB-ASI Signal Input 2
IN3	BNC (75ohm)	SD-SDI or DVB-ASI Signal Input 3
IN4	BNC (75ohm)	SD-SDI or DVB-ASI Signal Input 4
ACTIVE	BNC (75ohm)	Active Output of one of Input signals

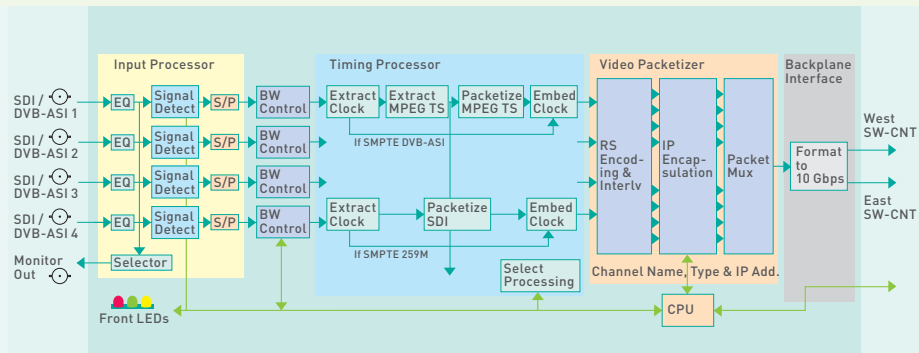
Rear Board Connectors



Name	Condition to illuminate
IN-SRV	● Status Monitored
MAINT	● Under Maintenance
ACT	● Normal Operation
ERR	● Board Failure Detected
POWER	● Board Power Voltage Low (Warning)
TEMP	● Board Temperature High (Warning)
CLK-IN1/2	● Unused
CLK1/2	● Unused
IN 1-4 SD/ASI	IN1-4 Signal Type ● SD: SD-SDI ● ASI: DVB-ASI
BUF-ERR1	● DVB-ASI Buffer Overflow at IN1
BUF-ERR2	● DVB-ASI Buffer Overflow at IN2
BUF-ERR3	● DVB-ASI Buffer Overflow at IN3
BUF-ERR4	● DVB-ASI Buffer Overflow at IN4

Front Panel LED

# MD8000-VTX-4S



Blockdiagram

## SPECIFICATIONS

INPUT	SD-SDI	Format	625i (50 Hz) 525i (59.94 Hz)
		Audio / ANC	Full VANC / HANC
		Interface	SMPT E 259M
	SDTI	Interface	SMPT E 305M
	DVB-ASI	Format	MPEG2TS
	All	Connectors	4x BNC Female
		Impedance	75 ohm, unbalanced
Return Loss		15 dB or more (5 MHz - 270 MHz)	
Max. Cable Length		200m for SDI, 100m for DVB-ASI (at 5C-2V coax cable)	
ACTIVE OUTPUT	All	Signal Amplitude	800 mVp-p $\pm$ 10% (75 ohm Load)
		Rise Time	0.4 - 1.5 ns (at 20% - 80% Amplitude)
		Fall Time	0.4 - 1.5 ns (at 20% - 80% Amplitude)
		ABS (Rise - Fall)	0.5 ns or less
		Impedance	75 ohm, unbalanced
		Return Loss	15 dB or more (5 MHz - 270 MHz)
		DC Offset	0.0V $\pm$ 0.5V
		Jitter	Timing
	Alignment	0.2 UI or less	

Specifications subject to change

## ORDERING INFORMATION

## ORDER NR

## ORDER CODE

SD/SDTI/DVB-ASI 4 Port uni-directional Video Module TX	MD801009	V-TX-4Sch-F
4 Port DVB-ASI Encoder Module TX with COP3 Encapsulation, FEC & ARP/GARP	MD801039	V-TX-4Sch-F(2022)

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