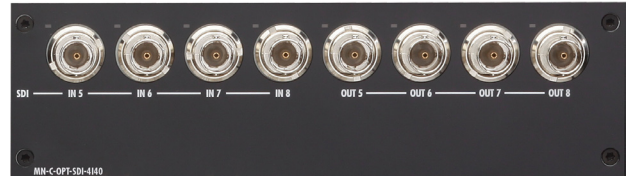


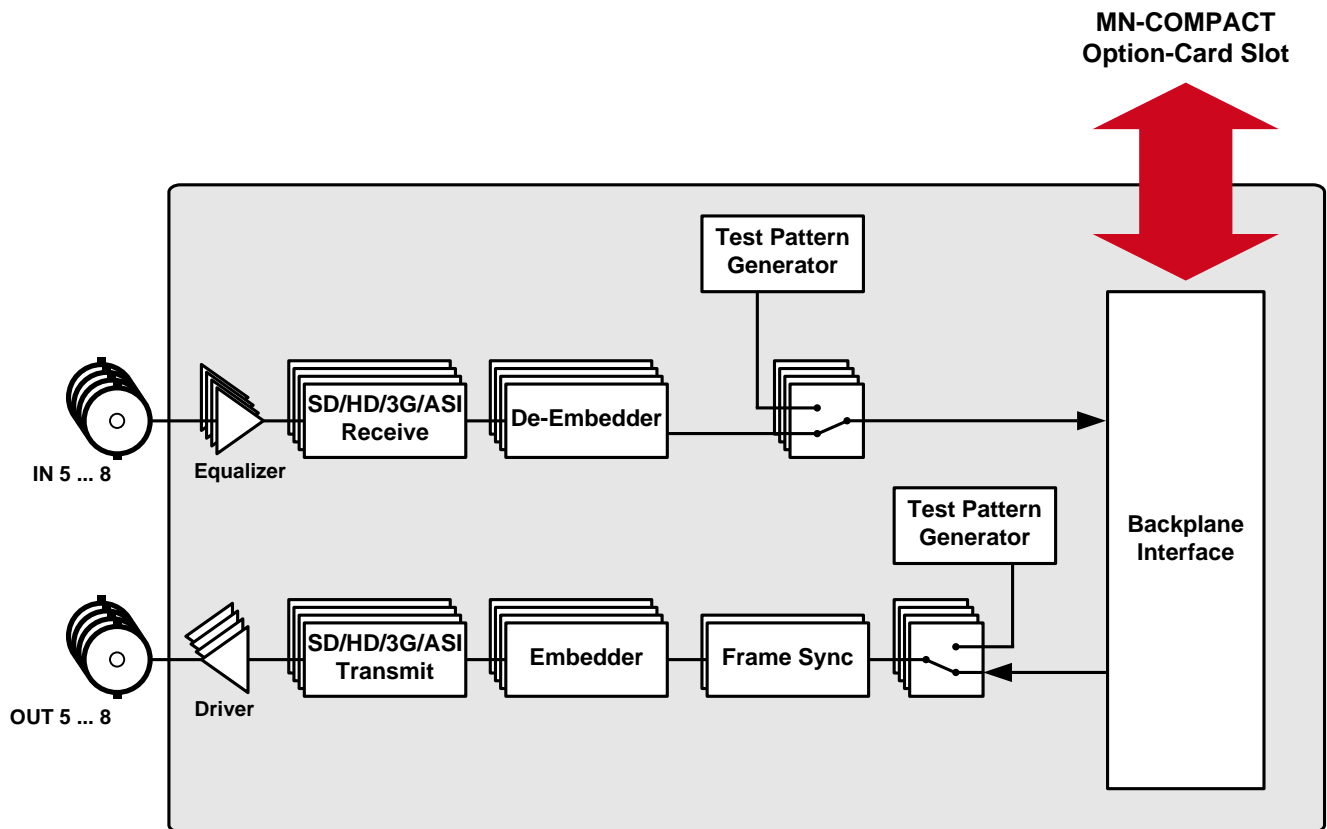
MediorNet MN-C-OPT-SDI-4I4O

The MN-C-OPT-SDI-4I4O Option-Card provides four inputs and four outputs for Video signals.

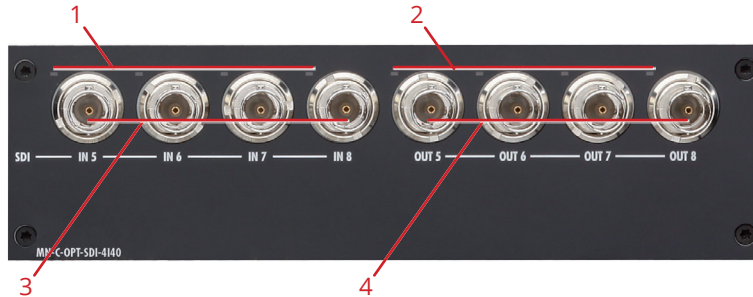


- 4 inputs and 4 outputs with BNC connectors
- All inputs and outputs support 3G/HD/SD-SDI/ASI Video signals
- Auto Format Detection
- Frame Synchronizer
- Video Delay
- Audio De-Embedder (4 groups) with Sample Rate Converter
- Audio Embedder (4 groups)
- Audio Delay for Embedder up to 1 s in steps of 1 ms
- Video Test Pattern Generator
- On Screen Display for video outputs (Signal Info, Connection Status, Timecode)
- The MN-C-OPT-SDI-4I4O Option-Card is only available for MediorNet-COMPACT-PRO

Block Diagram



MediorNet MN-C-OPT-SDI-4I4O



Legend

- 1) Status LEDs Input Port 5 ... 8
- 2) Status LEDs Output Port 5 ... 8
- 3) Input Port 5 ... 8
- 4) Output Port 5 ... 8

Status LEDs

	off	green	orange	red
Video In status	No input signal	Valid Video signal input	Test Pattern active	Invalid Video signal input
Video Out status	No output signal	Valid Video signal	Test Pattern active	Invalid Video signal on input, no output

Inputs

SDI-Video	75 Ω SD/HD/3G Serial Digital with embedded Audio (4 groups)
Input Standards	1.5 Gbps HD-SDI SMPTE292M, 3 Gbps 3G-SDI SMPTE424M/425M Level A - mapping structure 1, SMPTE425M Level B 270 Mbps SD-SDI SMPTE259M, DVB-ASI SMPTE259M/EN50083
Cable Equalization	> 230m @ 1,5Gbps, > 140m @ 3Gbps, >250m @ 270Mbps (Belden 1694A)

Outputs

SDI-Video	75 Ω SD/HD/3G Serial Digital with embedded Audio (4 groups)
Output Standards	1.5 Gbps HD-SDI SMPTE292M, 3 Gbps 3G-SDI SMPTE424M/425M Level A - mapping structure 1, SMPTE425M Level B 270 Mbps SD-SDI SMPTE259M, DVB-ASI SMPTE259M/EN50083

System Transport Latencies

Video Transport Delay	min 150 μs, max 1 Frame + 150 μs (dependent on input phase)	Frame Sync Mode (default)
	500 μs	Standard Latency
Digital Audio Delay	500 μs (standard latency, independent of Network size / frame amount)	Source Sync Mode
	720 μs + 500 μs : 1220 μs	without sample rate converter
	360 μs + 500 μs : 860 μs	with sample rate converter
		48 kHz sample rate
		96 kHz sample rate
		+ standard latency

Overall

Environmental Temperature	-5 °C to +40 °C (Non-condensing)
Supply Voltage	12 VDC
Power Consumption	6 W
Dimensions (w×h×d)	171 mm × 50 mm × 160 mm
Weight	300 g