

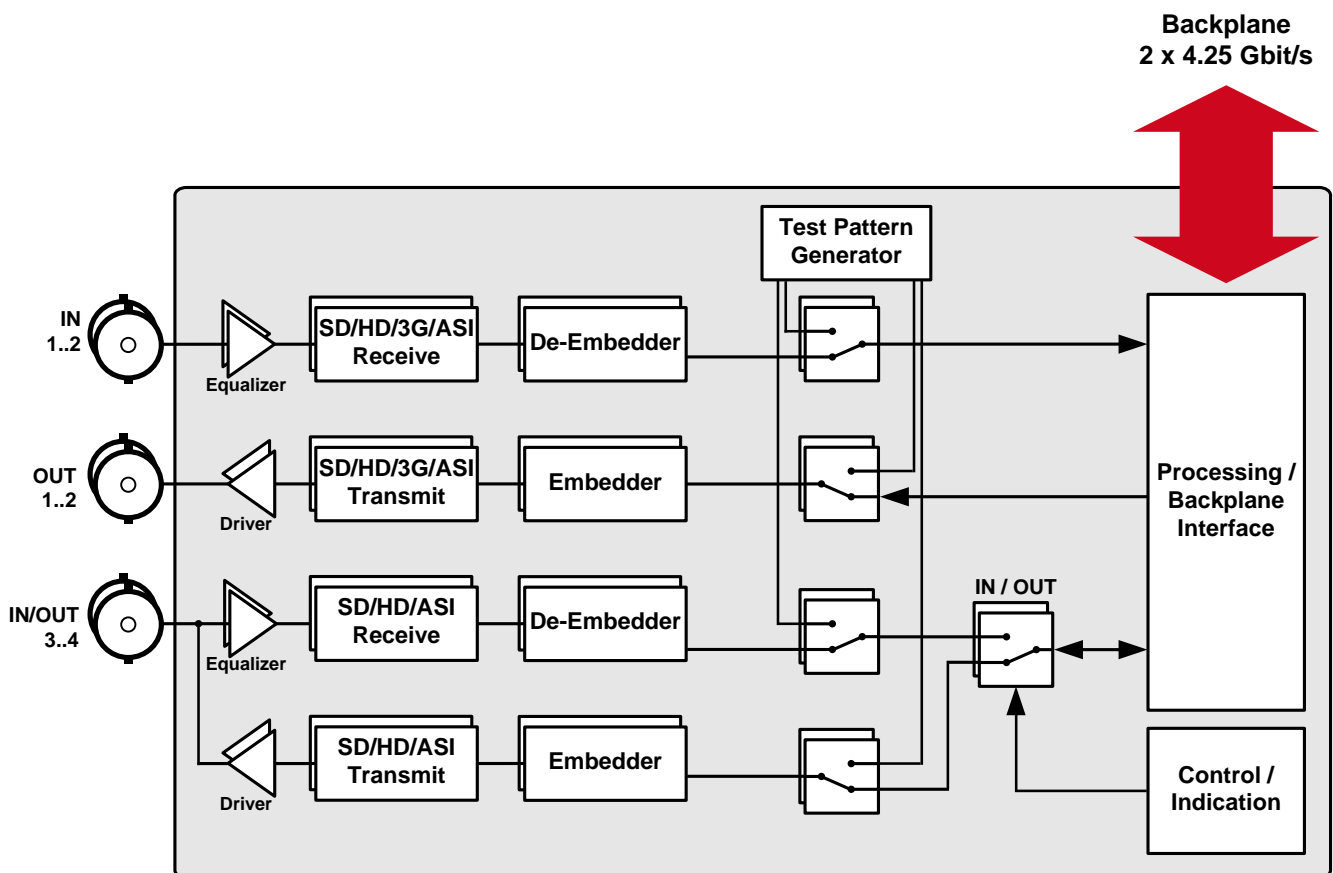
# MediorNet MN-HD-6

The MN-HD-6 Card provides six in-/outputs for Video signals.

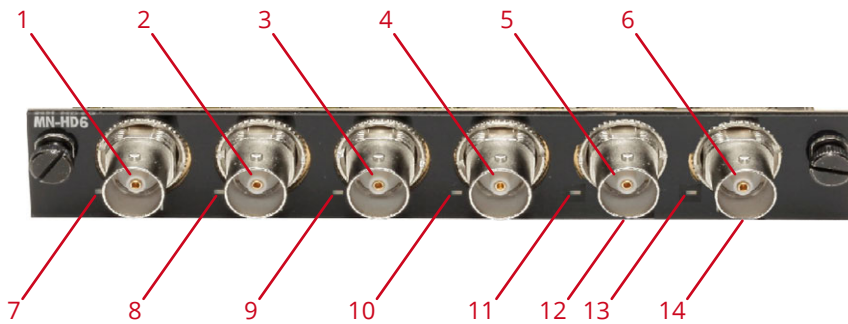
- 2 inputs with BNC connectors
- 2 outputs with BNC connectors
- 2 BNC connectors that independently can be configured as input or output
- Up to 4 HD/SD-SDI/ASI or 2 3G Video inputs
- Up to 4 HD/SD-SDI/ASI or 2 3G Video outputs
- Each port operates independently
- Auto Format Detection
- Frame Synchronizer
- Video Delay
- Video Test Pattern Generator
- Audio Embedder / De-Embedder (4 groups) with Sample Rate Converter
- Audio Delay
- On Screen Display (Signal Info, Connection Status, Timecode)
- The MN-HD-6 Card must be fitted into a High-Speed slot and it occupies one slot, so it can be placed in the slots 1, 5, 6, 7, 9 and 10 of the Modular mainframe.



## Block Diagram



# MediorNet MN-HD-6



## Legend

- 1) Input Port 1
- 2) Input Port 2
- 3) Output Port 1
- 4) Output Port 2
- 5) In-/Output Port 3
- 6) In-/Output Port 4
- 7) Status LED Input Port 1
- 8) Status LED Input Port 2
- 9) Status LED Output Port 1
- 10) Status LED Output Port 2
- 11) Status LED In-/Output Port 3
- 12) Direction LED Port 3
- 13) Status LED In-/Output Port 4
- 14) Direction LED Port 4

### Status LEDs

	off	green	orange	red	green direction
Video In Status	No input signal	Valid Video signal input	Test Pattern active	Invalid Video signal input	▲ Port is input
Video Out Status	No output signal	Valid Video signal	Test Pattern active	Invalid Video signal on input, no output	▼ Port is output

### Inputs

<b>SDI-Video</b>	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

<b>SDI-Video</b>	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/Audio Transport Delay	Min. 500 μs, Max. 1 Frame + 150 μs (depending on system synchronisation setup)
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### Overall

Environmental Temperature	-5 °C to +40 °C (Non-condensing)
Supply Voltage	12 VDC
Power Consumption	18 W
Dimensions (w×h×d)	132 mm × 20 mm × 318 mm
Weight	675 g