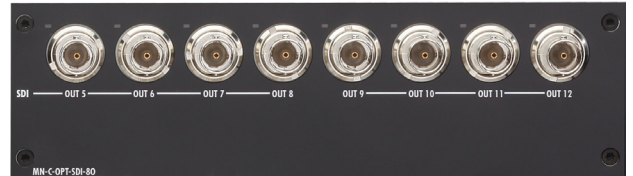


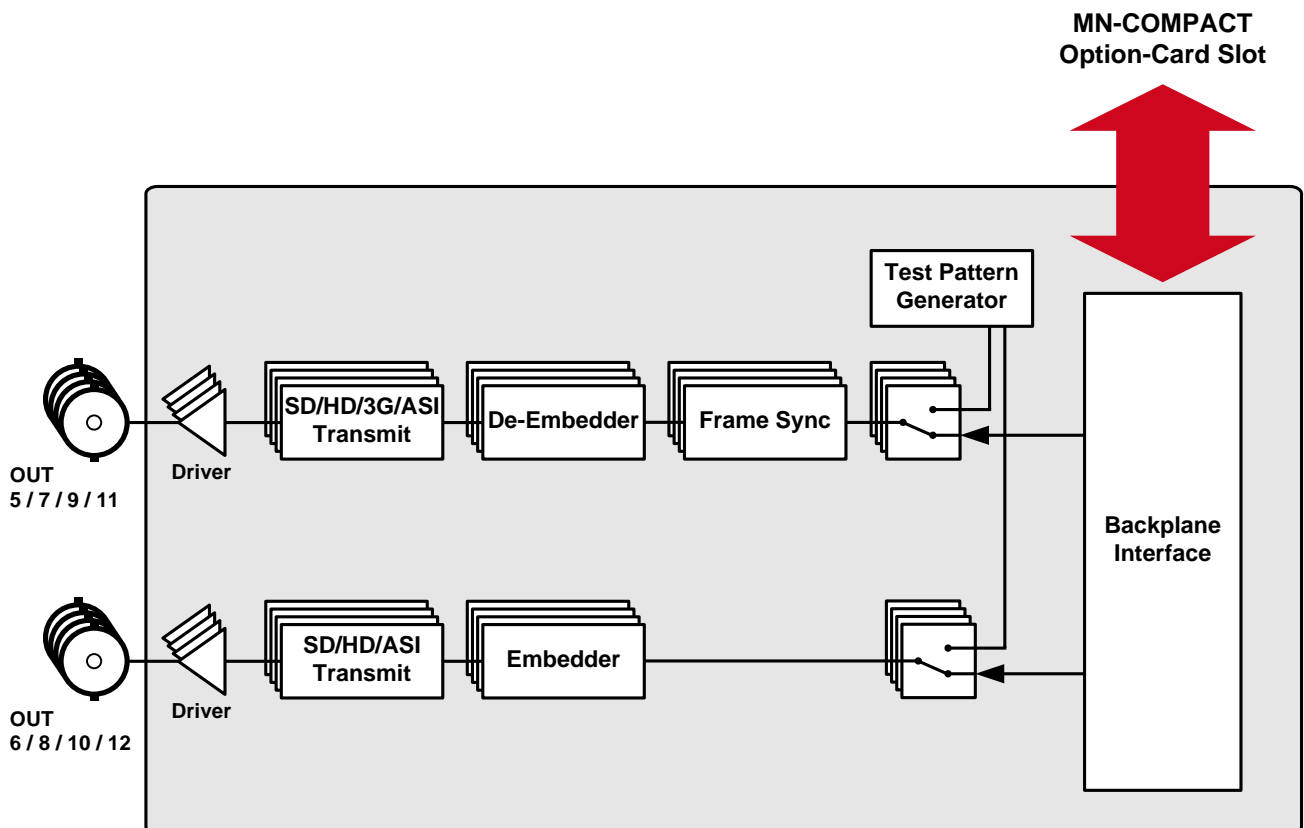
# MediorNet MN-C-OPT-SDI-80

The MN-C-OPT-SDI-80 Option-Card provides eight outputs for Video signals.

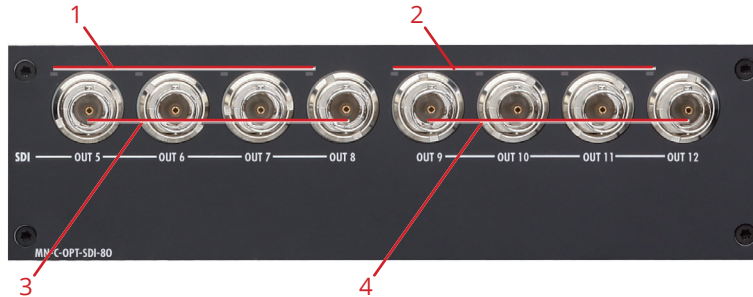


- 8 outputs with BNC connectors
- Each output supports 3G Video signals, but only four outputs simultaneously support 3G video signals
- Total support of max.
  - 4 3G Video signals or
  - 3 3G and 2 HD/SD-SDI/ASI Video signals or
  - 2 3G and 4 HD/SD-SDI/ASI Video signals or
  - 1 3G and 6 HD/SD-SDI/ASI Video signals or
  - 8 HD/SD-SDI/ASI Video signals
- Frame Synchronizer
- Video Delay
- Audio Embedder (4 groups)
- Audio Delay for Embedder up to 1 s in steps of 1 ms
- Video Test Pattern Generator
- On Screen Display (Signal Info, Connection Status, Timecode)
- The MN-C-OPT-SDI-80 Option-Card is only available for MediorNet-COMPACT-PRO

## Block Diagram



# MediorNet MN-C-OPT-SDI-80



## Legend

- 1) Status LEDs Output Port 5 ... 8
- 2) Status LEDs Output Port 9 ... 12
- 3) Output Port 5 ... 8
- 4) Output Port 9 ... 12

### Status LEDs

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

### Outputs

|                  |  |
|------------------|--|
| <b>SDI-Video</b> | 75 $\Omega$ 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<br>270 Mbps SD-SDI SMPTE259M, DVB-ASI SMPTE259M/EN50083 |

### System Transport Latencies

|                       |  |  |
|-----------------------|--|--|
| Video Transport Delay | min 150 $\mu$ s, max 1 Frame + 150 $\mu$ s (dependent on input phase)      | Frame Sync Mode (default)                        |
|                       | 500 $\mu$ s  | Standard Latency                                 |
| Digital Audio Delay   | 500 $\mu$ s (standard latency, independent of Network size / frame amount) |  |
|                       | 720 $\mu$ s + 500 $\mu$ s : 1220 $\mu$ s                                   |  |
|                       | 48 kHz sample rate   | without sample rate converter                    |
|                       | 96 kHz sample rate   | with sample rate converter<br>+ 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                            |