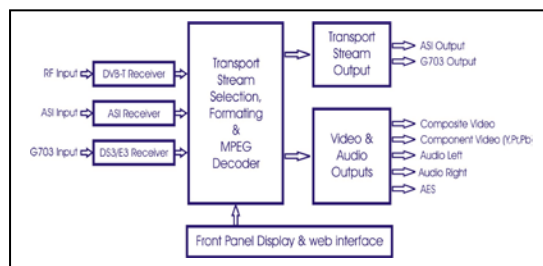




### Features

- Inexpensive MPEG transport stream decoding & monitoring
- Decodes transport streams up to 30Mbit/s
- Converts DVB-T transport streams to ASI (& optional G703)
- Converts ASI transport streams to ASI (format & data rate conversion)
- Optional G703 input and output interface
- Front panel BNC monitoring
- Graphical Front Panel
- Web based monitoring & control (MDEC-4100 only)



### Description

The MDEC-4000 provides a simple and cost effective method to convert, monitor and decode MPEG-2 transport streams. Transport streams can be converted by the addition or removal of scrambling, interleaving & RS coding. Additionally, data rate modification can be performed using null packet stuffing or removal with PCR re-sampling. For G703 applications, data rates must be data rate modified if not an absolute E3 or DS3 rate.

The decoder section fundamentally capitalizes on transport stream demultiplexing and decoding abilities of a small set-top-box DVB-T decoder module and tricks the module into decoding transport streams from alternate ASI or G703 inputs.

Additional information and choice of program stream to be decoded is set via the on screen display using the decoder navigation buttons or IR remote control. The front panel OLED display and navigation buttons provide additional information and transport stream control. An optional embedded web server is available for monitoring & control applications.

### Specifications

#### RF (DVB-T) Input

Input Signal	-75dBm to -20dBm
Frequency Range	51MHz to 858MHz
Channel Bandwidth	7MHz
Demodulator	2K & 8K
Connector	75 ohm BNC female

#### ASI Input

Data Rate	270Mbit/s
Return Loss	>15dB (5MHz – 300MHz)
Cable Eq.	0 to 250m Belden 8281A
Connector	75 ohm BNC female

#### ASI Output

Data Rate	270Mbit/s
Return Loss	>15dB (5MHz – 300MHz)
Connector	75 ohm BNC female

#### G703 Input (optional)

Data Rate	E3, 34.368Mbit/s or DS3, 44.736Mbit/s
Connector	75 ohm BNC female

#### G703 Output (optional)

Data Rate	E3, 34.368Mbit/s or DS3, 44.736Mbit/s
Connector	75 ohm BNC female

#### Video Outputs

Number of Outputs	4 (Composite, Y, Pr, Pb)
Connectors	75 ohm BNC female

#### Analogue Audio Outputs

Number of Outputs	2 (one stereo pairs, balanced)
Reference Level	+24dBu (0dBFS)
Impedance	40 ohms
Connectors	Three pin Phoenix

#### Digital Audio Outputs

Number of Outputs	1
Reference Level	+24dBu (0dBFS)
Impedance	110 ohm balanced
Connector	Three pin Phoenix

#### Alarm & Control Interface

- Graphical front panel display (optional)
- Embedded Web server with 10/100 UTP Ethernet (optional)
- RJ45 UTP on rear assembly
- Major & minor alarm relay contacts (rear assembly)

#### Compatibility

- Compatible with SBC 3RU, 84HP Eurocard frame
- Compatibility with third party frames upon request.

#### Compliances

- CE; UL; C-Tick
- RoHS Compliant Directive 2002/95/EC

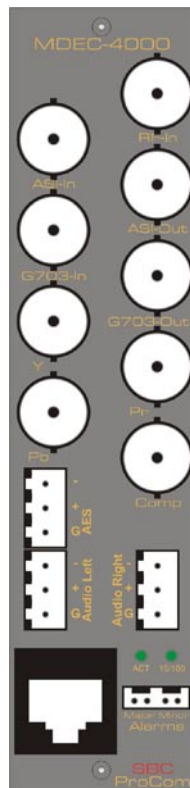
Ordering Information

- MDEC 4000

- MDEC 4100 OLED display and web server



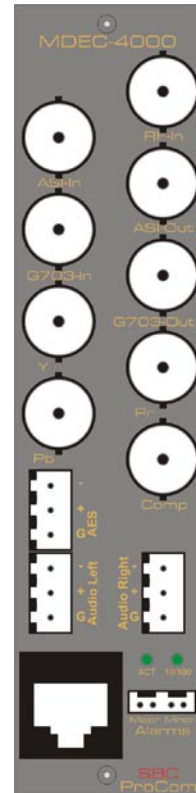
Front



Rear



Front



Rear

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