

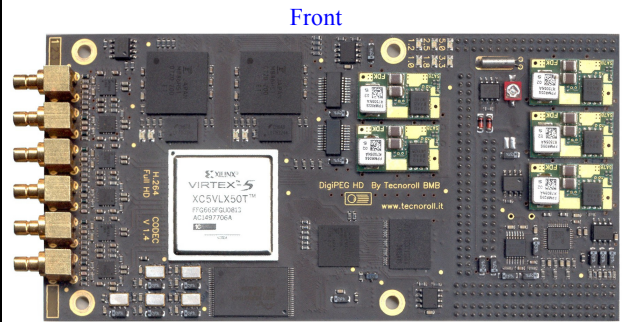


Tecnoroll BMB s.r.l.

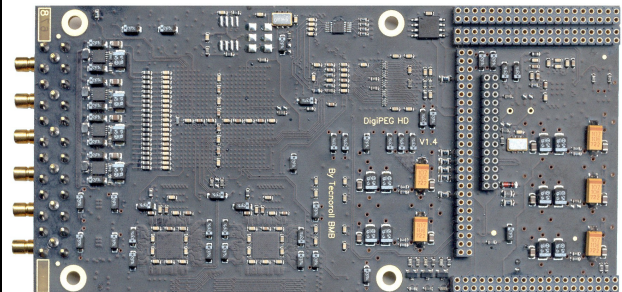
Via Olona, 9 - 21040 Veduggio Olona (VA)
☎ +39.0332.402595 - Fax +39.0332.402596
website: www.tecnoroll.it email: info@tecnoroll.it

DigiPEG HD

Double H.264 Video Encoder + Remultiplexer + Logo Inserter



Front



Back

I/O Features

- * PIN-to-PIN compatible with the DigiPEG MPEG2 board
- * 1 ASI TS input up to 216 Mbit/s
- * 1 ASI TS output up to 216 Mbit/s
- * 1 Analog SD video input
- * 1 Analog Audio input
- * 1 Analog video output for monitoring & Graphic User Interface
- * 1 Analog audio output for monitoring
- * 2 Multirate SDI SD/HD video input with embedded audio
- * 1 SD/SDI with embedded audio output for video monitoring and Graphic User Interface
- * 1 HD/SDI with embedded audio output for video monitoring post Logo-Inserter

Main Specifications:

- * Automatic recognition, analysis and demultiplexing of the incoming DVB services
- * Visualization of the input/output TS bandwidth
- * Arbitrary selection of the Output TS rate
- * Selection and removal of unwanted services
- * LCN (Logical Channel Number) insertion for the selected services
- * DVB Tables generation
- * ATSC Tables generation
- * Automatic service monitoring and PID tracking for the desired services
- * Embedded Remultiplexer for TS reconstruction
- * PCR restamper for a correct timing reconstruction
- * Non-volatile memory for system configuration
- * Easy configuration through asynchronous serial port with high-level commands
- * Easy configuration through On-Screen-Display and graphic user interface
- * Graphic user interface object oriented, totally customizable through a text file and images
- * Static or Animated LOGO inserter (gif image)
- * Automatic animated Color Bar generator in case of absence of the video input signal
- * Easily cascable boards for multi-channel transport stream.
- * Firmware upgradable through user serial port
- * No need for additional programming on power-up

Video Encoding:

- * Compliant with ISO/IEC 14496-10 (H.264/AVC) High Profile Level 4.0
- * Up to 20 Mbps Encoder Bitrate
- * Up to 1920x1080i Video Resolution

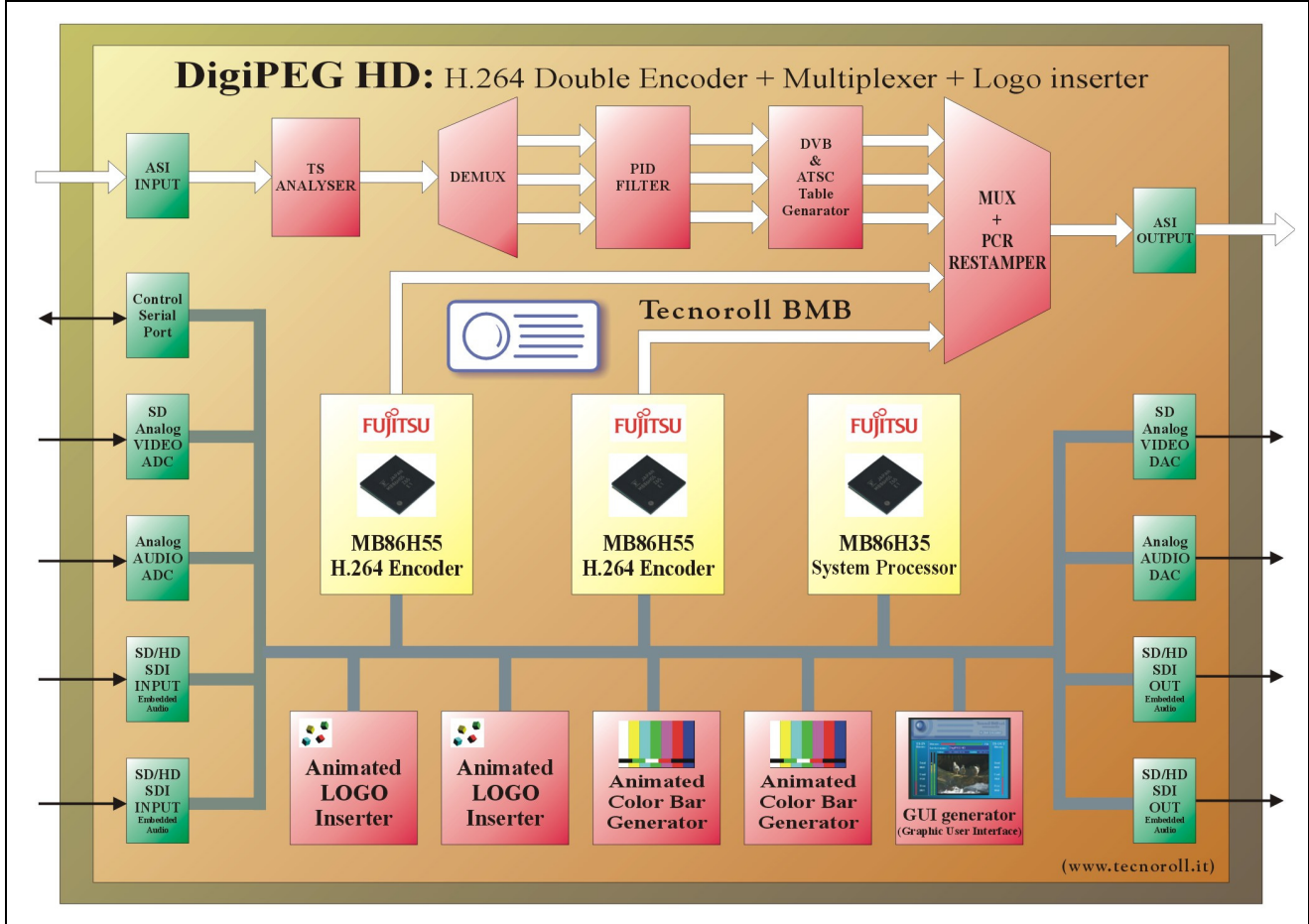
Audio Encoding:

- * Compliant with ISO/IEC 11172-3 (MPEG-1 audio) layer 1/2
- * Single/Dual/Joint Stereo/Stereo
- * Up to 448 Kbit audio bitrate

General Specifications

Power Supply:	5.0V
Power Consumption:	18 W
Board Temperature Range:	from 0 to 70° C
Cooling Heat Sink:	Required
Dimensions:	142 x 70 x 10 mm
Weight:	80 gr

Internal block diagram:



Distributed by:



MELCHIONI S.p.A.
 Via Colletta 37 - 20135 MILANO
 Tel. +39-02-57941
 Fax +39-02-54134001