

*** MV2-T ***



MPEG 2 Video Encoder for LOCAL BROADCAST

The MV2-T[®] Encoder is part of the KLEINBIT MPEG-2, DVB Encoder and Decoder Product Line for digital video broadcasting.

The MV2-T is a stand-alone Encoder, at a budgetary cost and ideally suited for applications requiring up to full D1 resolution. It comes with a variety of different output interfaces and is housed in a small standard 19" 1HU rack mountable subrack.

The MV2-T is designed to meet the demanding requirements of regional cable and telecom distribution, SNG and Business TV applications, when high performance and budgetary considerations are important.

The MV2-T builds upon KLEINBIT's expertise in the high-end broadcast and business TV markets, and our well known products such as the MV2-T[®], VT2, VT3, and VTS 4911 product lines.

Capabilities

- MPEG-2
- 4:2:0 Main Profile @ Main Level
- DVB - compliant, MPEG-2 transport stream
- up to 3 switchable output bit rates between 1-12 Mbps (customer specified)
- 2 Audio channels
- Low coding Delay
- Optimized GOP structure, allowing unsurpassed picture quality at low bit rates
- E.1 network interface

Applications

- Digital TV distribution, 4:2:0 profile
- SNG
- Business Television
- Video-on-Demand
- Private Networks
- Distribution over Telecom channels

- KLEINBIT A/S -

Video

- PAL Composite (NTSC Optional)
- SDI (optional)

Resolution

- 1 rotary switch control for resolution D1, 1/2 D1, CIF. (RS232 option)
- Aspect Ratio: 4:3 and 16:9

Audio

- 1 Stereo channel (2 Mono)
- MPEG layers I and II, CD Quality
- Stereo, joint stereo, single channel, dual channel
- Encoding Rate: to 384 Kbps (total)
- Sampling Rates: 32K, 44.1K, 48K

Compression

- MPEG-2 4:2:0MP@ML (4:2:2 to 4:2:0 10 bit conversion)
- Low Delay (180 mSec end-to-end)
- I,P and B Frames processing
- Programmable GOP

Output

- Output Rate: 1-12 Mbps. 3 pre-sets

factory pre-programmable

- Clock Source: Internal

Interface Options:

- Electrical interface: RS-422
- DVB interface: ASI
- G.703 (E.1), unstructured

Control

- 1 rotary switch control for 3 pre-programmed bitrates (RS232 option)
- LCD and button keys operation optional

Alarms

- Hot alarm relay

Physical

- One rack unit: 43 X 27 X 4,5 cm
- Weight: 4.3Kg
- Power : 90-260V, -48V DC (optional)
- Low power consumption: 50W Max

Temperature

- 0-50° C

