



ViBE Encoder

Real Time MPEG Video Encoding

Digital Head End Series

The ViBE Encoder is a real technological breakthrough combining unprecedented compactness and flexibility with high-end compression performance and picture quality.

Based on the brand new Nextream 3G-video compression chip, the ViBE Encoder is available in two chassis models.

The 1 RU ViBE Encoder, with up to two encoding functions, and the 5 RU Telecom chassis, with up to eight encoding functions, allow multiple service generation and intra-chassis redundancy.

The ViBE Encoder supports IP (100Base-T) and PDH/SDH (34 to 45 Mb/s) front-ends for video transport over IP/MPLS networks, and PDH, SONET/SDH backbones.

Remote control is possible thanks to the XMSTM 3500 management system which ensures system compliance between different generations.



Applications

- Contribution
- Primary distribution
- Broadcasting

Key Features

- MPEG-2 DVB MP@ML and 4:2:2P@ML
- Single or dual-pass digital encoding
- High-quality PAL/SECAM/NTSC video interface with SYNC
- Advanced pre-processing
- Statistical multiplexing with Flexstream™
- Dolby® Digital passthrough mode and Dolby® Digital (AC3 stereo) encoding
- DVB common scrambling including EBU BISS modes
- Low delay modes
- Up to two encoding functions in the 1 RU chassis
- Up to eight encoding functions in the 5 RU chassis
- Six slots for hot-pluggable boards in the 1 RU chassis
- 15 slots for hot-pluggable boards in the 5 RU chassis
- Board redundancy management (including PSU for the 5 RU chassis)
- Available slots for extension boards giving access to PDH, SONET/SDH, or IP networks



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