RF Output

RF Input

BUC

BLOCK UP-CONVERTER

LNB

DOWN-CONVERTER

IF L-Band

Digital Modulator

Digital De-Modulator

KEY FEATURES:

- Easy to use and install
- Program and control from RS-232 port (115k,8,n,1)
- Web based Interface, program and control (optional)

STANDART MPEG-2 ENCODER:

- 4:2:0 MP@ML Real Time MPEG-2 Video / Dual-Stereo Audio Encoder
- Analog composite (PAL / NTSC) or SD-SDI digital input
- The module encodes an analogue video and audio signal and outputs an MPEG2 transport stream.
- The encoder supports the formats SIF (352×288 Pixel), HD1 (352×576 Pixel) and D1 (720×576 Pixel) with net data rates from 0,5 Mbit/s to 15 Mbit/s. A 20 bit stereo audio channel is already included in this data rate.

H.264 ENCODER (optional):

- The new H.264 Encoder is designed for the transmission of high-resolution picture data, especially for HD-TV applications.
- Supported formats are HD (1920×1080px) and SD (PAL, NTSC) with net data rates from 1,5 Mbit/s to 31 Mbit/s.
- Included in this data rate is a stereo audio channel between 32kbit and 384kbit.

- The encoder board outputs a transport stream to a 8 bit wide TS interface with clock and frame sync signal.
- The video input can be chosen between YPbPr, CVBS and HDMI; the picture resolution is up to 1080p@60Hz.

MODULATOR:

- 100mW RF modulator for DVB-S, -S2, -C, -T (2k and 8k mode) or 8VSB. In the I/Q modulator, the signal output is modulated directly on transmission frequency.
- The IF signal is filtered on the transmission frequency to get better spurious at the RF output channel.

DECODER:

- The decoder for DVB-S, -S2, -C, -T (2k and 8k mode) or 8VSB.