

Specification

RF PARAMETERS

Input Frequency Range
L-Band 950 to 2150 MHz
LNB power 13V, 18V or off

Frequency Step Size
Synthesized in 10 KHz steps

Input Power Level
-65 to -20 dBm

VIDEO PARAMETERS

Outputs
1 composite video: PAL / NTSC

1 SDI; 270Mb/s (option with embedded audio) ANSI / SMPTE 259M / ITU-R BT.656.

PERFORMANCE

Diff Gain / Phase
<1% <1°

Signal / Noise
>56 dB

Luminance
Bandwidth 5.5 MHz
Non linearity 1%
<1% K K-pulse/ bar
0.05% K Kbar

Chrominance
Non linearity 1%

VIDEO DECODING

Data Rate
1.0-15 Mbits/s @ 4:2:0
4.0-32 Mbits/s @ 4:2:2

BISS 1 & E Encryption.

Low delay decoding compatible with Advent DVE4000 encoder

Modulation
DSNG (DVB-S)
QPSK 1.0 – 45 Msym/s

FEC
1/2, 2/3, 3/4, 5/6, 7/8 auto selecting

Data Channel
RS232 @ 9600

AUDIO PARAMETERS

Outputs
2 analogue stereo pairs / 4 mono
50 Ω impedance
and 2 dual / 4 mono embedded in SDI
2 pairs AES/EBU outputs

Performance
THD <0.1% +18 dBm maximum level
S/N >66 dB RMS
Frequency Response 20 Hz-18 KHz \pm 0.25 dB
Crosstalk >60 dB

Decoding

MPEG-2 128 kbs – 384 kbs / channel
MPEG layer 1 / 2
Linear PCM

Remote Control
RS232 / 485 2400 – 9600 baud

Power
Frequency 47 to 63 Hz @ <50 W
Operating Voltage 100 - 240 Vac \pm 10%

Physical
Temperature 0 to +50°C operating
Size 1RU chassis by 550 mm deep
Weight 3.6 Kg approx.

CONNECTORS

Video
75 Ω BNC

RF Inputs
F type

Audio output
XLR

ASI output
75 Ω BNC

Data/ Remote/Status
25 W D male