

SPECIFICATIONS FOR IRD RECEIVER

1. Input Characteristics.

DVB-S/S2 Tuner No of inputs-1No
Input Frequency Range: 950 to 2150 MHz Input Impedance: 75 Ohms
Input Power Range: -25to-65dBm per carrier Image Rejection: >30dB
Noise Figure:<20dB or better
IF Filter Bandwidth: Automatic (depending on Symbol Rate)
Symbol Rate: 128 Kilo symbol/sec to 10 Mega symbol/sec
Demodulation: QPSK, 8PSK
Input Connector: F socket
Loop-Through Connector: F Socket
LNB Supply Voltage:0,13,18V (400mA)
LNB Control: 22kHz/ UV, DiSEqC2.x, Tone burst
FEC DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8
FEC DVB-S2:1/2, 1/3,2/3, 2/5, 3/4,3/5,4/5,5/6,8/9,9/10

2.Outputs Characteristic's:

Number of audio outputs: Four (4) Stereo, configurable as stereo or Dual mono
Connector type: XLR Male socket or with suitable adapter
Sub-D9 Connectors for Analog and digital audio signals
(4x Analog Stereo + 4x Digital AES Stereo)
Digital Audio Level:- 10dBfs or higher
Analog Audio Level: +8dBm to +12dBm into 600Ohm
(adjustable), Audio Frequency Range (analogue)20Hz to 20kHz (+/- 0.3dB)
Output Impedance: 600 Ohm
Mode: Stereo, Joint Stereo, Mono, Dual Mono
THD+N (1KHz at max. level): < 0.01 % at 11KHz Dynamic Range: >to dB
Cross talk Attenuation at 1KHz:>100dB
S/N Ratio (weighted): >100dB
Output voltage:18 VDC through central conductor of RF F-connector in receiver
Power supply: 230V+ 10% AC single phase3.ASI Output:
BNC female (Transport Stream Output over ASI)

4.Compression Algorithms:

MPEG-1/2 Layer II (ISO/IEC1172-3,13818-3)
MPEG-2 AAC (ISO/IEC 13818-7)
MPEG-4AAC LC, HE-AAC, HE-AAC V2, AAC LD (ISO/IEC14496-3)

5.Bit Rate:All bit rates are supported according to the standards of the respective algorithms (32-384) Kbps

6. Sampling Rate:32kHz, 44.1kHz, 48kHz

7. Ancillary Data:RS-232Interfacetransport of Ancillary and Private PID Data via UECF with in the MPEG-2 Transport Stream

8. IP Input:Transport Stream (DVB-compliant)

Transport Stream over RTP (over UDP) or UDP-only
FEC (Pro-MPEG compliant)

9. Network interfaces:2 separate Ethernet interfaces (IEEE802.3, RJ45,10/100MBit/s)

Data (Transport Streams via IP)
Control (Web Interface, SNMP and Ancillary Data)

10.System Configuration, Control and Monitoring:

Via Ethernet with Web Browser,Via Ethernet with SNMP,Via Front Panel Keys (and Display)

11.PowerSupply:

Integrated switching power supply, input voltage:100 to 240V+-10%,50 to 60Hz
power consumption: 30W

12.Housing:

Dimensions: 19"rackmount cabinet, 1U (483mm x 360mm x 44mm) weight: 4,5
kg

13.Environment:

Operation temperature: -10°C to 45°C
Storage temperature: -20°C to 70°C
Humidity: up to95% non-condensing at 40°C