

DIGITAL SATELLITE RECEIVER

1. Tuner & Channel

Input Connector	1 x F type with Loop through
Output Connector	1 x F type 75 Ohm
Frequency Range	950MHz to 2150MHz
Input Impedance	75 Ohm
Signal Level	-25 to -65dBm
IF Frequency	480MHz
IF Bandwidth	36MHz
LNB Power & Polarity control	Vertical +13.5V - +14.5V Horizontal +17.5V - +18.5V
22KHz Tone	Frequency 22kHz ± 2kHz Amplitude 0.6Vp-p ± 0.2Vp-p
Demodulation	QPSK
Input Symbol Rate	2 - 45Mps
FEC Decoder	Convolutional Code Rate 1/2, 2/3, 3/4, 5/6, and 7/8 with Constraint Length K=7

2. MPEG Transport Stream A/V Decoding

Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile & Level	MPEG-2 MP@ML
Input T/S Data Rate	90Mbit/S max
Aspect Ratio	4:3, 16:9 with pan vector
Video Resolution	720 x 576(PAL), 720 x 480(NTSC)
Audio Decoding	MPEG audio layer 1, 2, musicam
Audio Mode	Stereo, Dual Channel, Joint Stereo, Mono
Sampling Rate	32, 44.1, and 48kHz

3. Memory

Flash Memory	up to 2M bytes
Program DRAM	up to 8 Mbytes
EEPROM	up to 16 Kbytes

4. A/V & Data In/Out

SCART	TV x 1, VCR x 1
RGB video out	TV Scart x 1
S/PDIF	RCA x 1
Analog audio out	RCA x 2 (L-CH x 1, R-CH x 1)
	SCART x 2 (TV, VCR)
	Resolution 16bit DAC
	Output Level 2Vrms Max
	Volume & Mute control
Data interface	RS232C, Baud Rate 9600 ~ 115200, 9 Pin D-Sub

5. RF-Modulator

RF-connect	75Ohm, IEC169-2, Male/Female
Output frequency	470MHz to 860MHz
Output channel	CH 21 ~ 69
TV standard	PAL D/K, PAL B/G , PAL I

6. Power Supply

Input Voltage	AC207-253V, 45~55Hz
Type	SMPS
Power Consumption	30W Max. (Below 7W max. For stand-by mode)
Protection	Separate internal fuse and chassis grounding and the input shall have lighting or electric shock protection

7. Physical Specifications (320mm/w available)

Size(W x H x D)	250mm x 40mm x 200mm
Weight	about 1.5 Kg

8. Environment

Operating Temperature	+ 5 °C ~ + 50 °C
Storage Temperature	- 40 °C ~ + 65 °C