



Digital Terrestrial Terminal

1. Tuner & Channel

Input Connector	1 x IEC female
Loop through Connector	1 x IEC male
Receiving Frequency	47MHz To 862MHz
Data rate	36.67Mbit/s max
Input signal level	-75dBm ~ -20dBm for each channel
Input impedance	75 ohms nominal
Loopthrough impedance	75 ohms nominal
Loop through gain	-1.5dB typ.
Center frequency	36MHz
Waveform	OFDM
Step frequency	166.67KHz
IF bandwidth	7MHz
Transmission mode	2K FFT, 8K FFT
Constellations	QPSK, 16QAM, 64QAM
Hierarchy mode	No- Hierarchical, Hierarchical
Convolutional code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guards intervals	1/4, 1/8, 1/16, 1/32
FEC decoder	Reed-solomon Viterbi decoder, for 16 parity bytes block lengths 204 byte

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	80Mbit/S max
Aspect Ratio	4:3, 16:9
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	2M bytes
Program DRAM	8 Mbytes
EEPROM	128 Kbytes

4. A/V & Data In/Out

SCART	TV x 1, VCR x 1
RGB video out	TV Scart
CVBS Video Out	2 x Scart socket(TV, VCR) ,RCA x1
Analog audio out	2 x Scart socket(TV, VCR) ,RCA x 2(L,R) Resolution 16bit DAC Output Level 2Vrms Max. Volume & Mute Control
Data interface	RS232C, BAUD Rate 115200 Max., 9Pin D-SUB

5. Power Supply

Input Voltage	AC207-253V, 45~55Hz
Type	SMPS
Power Consumption	40W 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

6. Physical Specifications

Size(W x H x D)	320mm x 60mm x 240mm
Weight	about 2.0 Kg

7. Environment

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