

1. Tuner & Channel

RF Input Connector	IEC type, Female
RF Output Connector	IEC type, male
Input Frequency Range	VHF : 174~230MHz UHF : 470 ~ 860MHz
Input Signal Level	-90dBm ~ -20dBm
Noise Figure	7.5dB typ. 10dB max
OFDM-Demod IC	CX22702(produced by Conexant)
Input Impedance	75Ohm
Return Loss	8dB typ.
IF Band width	7/8MHz(-3dB) typ.
Spurious Signals at Input Terminal	46dBuV max. (400-950MHz)
Local Oscillator Leakage	54dBuV max. (950-1750MHz)
Transmission mode	2K FFT, 8K FFT
Constellations	QPSK, 16QAM, 64QAM
Convolutional code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guards intervals	1/4, 1/8, 1/16, 1/32
Desired input signal condition	Modulation : 64QAM Guard Interval : 1/32 Puncture Rate : 2/3
RF Input Voltage Out	5V 30mA(for active antenna)

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-1 Audio Layer 1,2, Musicam
Audio Mode	Stereo, Dual Channel, Joint Stereo, Mono
Sampling Rate	32, 44.1, and 48kHz

3. Memory

Flash Memory	2Mbytes
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
S/PDIF	RCA x 1
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. RF Modulator (Option)

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. Storage

Capacity	40GB for A/V purpose
Interface	IDE
Protocol	ATA 3 mode 4

7. Recording Options

Pause time	45min
Instant replay time	7 secs
Quick Skip time	30 secs

8. Key Functions

Pause	Supported
Record	Instant record
Fast forward/reverse	Multiple rate
Slow motion forward/reverse	Multiple rate
Frame by Frame	Supported
Random search	Supported
Instant replay/Quick Skip	Supported

9. Power Supply

Input Voltage	AC90-240V, 50/60Hz
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

8. Physical Specifications

Size(W x H x D)	320mm x 60mm x 220mm
Weight	about 2.0 Kg

9. Environment

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