

Satellite Tuner & Channel

Input Connector : F-type, IEC 169-24, Female
 Frequency Range : 950MHz to 2150Mhz
 Input Impedance : 75ohm or 75Ω . Unbalanced
 Signal Level : -25 to -65dBm
 LNB Power & Polarization : Vertical - +13V / Horizontal - +18V
 Current : 600mA Max overload Protection
 22KHz Tone : Frequency - 22KHz \pm 4KHz
 Amplitude : 0.6V \pm 0.2V
 DiSEqC Control : Version 1.0/1.2/1.3 compatible
 Demodulation : QPSK
 Input Symbol Rate : 1-45 Ms/s
 FEC Decoder : Convolutional Code Rate 1/2, 2/3, 3/4, 5/6 and 7/8
 with constraint Length K=7

Terrestrial Tuner & Channel

Input Connector : IEC Female / male
 Frequency Range : UHF III (174 ~ 230 MHz), UHF IV/V (470 ~ 360MHz)
 Input Impedance : 75 ohm or 75Ω . Unbalanced
 Signal Level : -25 to -65dBm
 Demodulation : 2K and 8K coFDM
 FEC Decoder : Convolutional Code Rate 1/2, 2/3, 3/4, 5/6 and 7/8
 with constraint Length K=7

MPEG Transport Stream A/V Decoding

Transport Stream : MPEG-2 ISO/IEC 13818
 Transport Stream : Specification
 Profile Level : MPEG-2 MP@ML
 Input Rate : 60 Mbit/s Max
 Aspect Ratio : 4:3, 16:9
 Video Resolution : 720 \times 576 (PAL)
 720 \times 480 (NTSC)
 Audio Decoding : MPEG / MusiCam Layer I & II
 Audio Mode : Single channel / Dual channel joint stereo / Stereo
 Sampling : 32, 44.1 and 48KHz

Memory

Main Processor : NEC UPD61115 (32bit @ 200MHz)
 Flash Memory : 2 Mbyte
 Program DRAM : 16 Mbyte

Common Interface(CI Model Only)

2 full independent module capability common interface standard compliant
 DVB_CI (CENELEC EN-50221)
 Up to 20Mbps/s on Common Interface
 Up to 100Mbps/s on Transport Stream
 MPEG II Transfer Stream compliant
 3.3V or 5V I/O buffer for direct interface with FEC and DEMUX Ics

A/V & Data In / Out

VIDEO OUT : 1 × RCA Cinch
 AUDIO OUT : 2 × RCA Cinch
 SPDIF : Fiber Optic Digital Audio Output
 RS232C : Transfer rate 115,200 bps / 9 pin D-sub Type
 TV SCART : Output (CVBS, RGB, Audio R/L)
 VCR SCART : In / Output (CVBS, Audio R/L)

Power Supply

Input Voltage : 100-250V~ 50 / 60Hz
 Type : SMPS
 Power consumption : Max. 30W
 Standby Power : 8W
 Protection : Separate internal fuse.
 The input should have lightning Protection

Physical Specification

Size (W × D × H) : 340 × 240 × 60mm
 Weight (Net) : Approximately 2 Kg
 Operating Temp : 0°C to + 45°C
 Storage Temp : -10°C to + 70°C
 Storage Humidity : 5% ~ 95% RH (Non-Condensing)

RF Modulator

Connector : 75Ω IEC 169-2, Male / Female
 Frequency : 470MHz to 860MHz
 Output Channel : Ch21 ~ 69 for the Demodulator
 TV Standard : PAL G/I/K, NTSC M selectable by Menu Setting
 Pre-Set Channel : Channel 36 (or TBD)