

UltraPlus[®]



880 **mi**Cro-PVR

DIGITAL SATELLITE RECEIVER



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KIS
KOREA
IT
SHOW
2007

THE
BEST
PRODUCT
AWARD



DVB
Digital Video
Broadcasting

UltraPlus 880

Features & Specifications



Main Features

- Up to 45 min. Time Machine, Live Recording & Playback by using internal memory (extended to max. 4 GByte)
- Max. 500 GByte external USB 2.0 Host HDD supporting for Time Machine & Live Recording or Play back simultaneously, & Powerful Trick mode
- Scheduled(Event) recording though Electronic Program Guide (EPG)
- Support Extended 9-Day EPG
- USB 2.0 Host Support (MP3 Player & JPEG Viewer)
- On-Screen Display with 65535 Color Full Resolution
- Max. 10,000 channels Programmable
- Premium Grade Universal Remote Control Unit
- MPEG-II Digital & Fully DVB Compliant
- True Blind Scan
- Multi-LNB Controlled by DiSEqC Control Version 1.0, 1.1, 1.2 and USALS Compatible
- Multi-Satellite Search
- Teletext / Sub Title Supported
- Powerful Channel Control by Favorites, Lock, Skip, Move and Delete
- Channel Sorting by Alphabet, Transponder and CAS
- Multi-language Supported (OSD & Menu)
- Smart Card Reader
- Multi-picture Display
- Parental Lock / Receiver Lock
- CVBS Video & Audio Output via RCA
- Component Y/Pb/Pr Output via RCA
- Optical & Coaxial Output for Digital Audio
- Software & Channel Database Upgrade via RS-232 & USB

Specifications

• Tuner & Channel Decoder

Input Connector	F-type, IEC 169-24, Female
Loop through out	F-type, IEC 169-24, Female
Frequency Range	950MHz ~ 2150MHz
Input Impedance	75 Ω , unbalanced
Signal Level	-65 to -25dBm
LNB Power	13/18VDC, max.400mA
22KHz Tone	(22 \pm 2)KHz, (0.6 \pm 0.2)V
DiSEqC Control	V1.0/1.2/USALS Compatible
Demodulation	QPSK
Input Symbol Rate	2 ~ 45 Ms/s
FEC Decoder	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-II ISO/IEC 13818
Profile Level	MPEG-II MP@ML
Input Rate	Max. 15Mbit/s
Video Formats	4:3 LetterBox, 4:3 PanScan, 16:9
Video Resolution	720 x 576, 720 x 480
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Streo/Joint stereo/Mono
Sampling Rate	32KHz, 44.1KHz and 48KHz

• Main System

Main Processor	Conexant Virgo (32-bit RISC CPU 180 MIPS)
Memory	Flash-ROM : 2 MBytes, SDRAM : 32 MBytes

• Front Panel

Slot	1 Smart Card Slot, 1 USB Host Slot
Buttons	3 Buttons (CH UP/DOWN, STANDBY)
Display	7-Segment (Channel No. or Time)
Indicators	2 LEDs (STANDBY, REMOTE)

• Audio / Video & Data IN/OUT

Video	CVBS Video Output (RCA) S-VHS Video Output (Mini-DIN) Y/Pb/Pr Video Output (RCA)
Audio L/R	RCA(Volume and Mute Control) AC-3 Dolby Digital (RCA & Optical)
RS-232C	9 pin D-SUB (Male) type, Transfer rate 115Kbps
USB	USB 2.0 Host Support

• RF Modulator

RF Connector	75 Ω , IEC 169-2, Male/Female
Frequency	470 ~ 860MHz
Output Channel	CH 21 ~ 69 for the Remodulator
TV Standard	PAL G/I/K Selectable by Menu
Preset Channel	CH 36 (or TBD) Software changeable by Menu

• Power Supply

Input Voltage	AC 100 ~ 250V, 50/60Hz
Type	SMPS
Power Consumption	Max. 20W
Standby Power	Max. 8W
Protection	Separate Internal Fuse & Lighting protection

• Physical Specification

Size (W x H x D)	280mm X 55mm X 220mm
Weight (Net)	1.8 Kg
Operating Temp.	0 $^{\circ}$ C ~ +45 $^{\circ}$ C
Storage Temp.	-10 $^{\circ}$ C ~ +70 $^{\circ}$ C