

Digital Satellite STB + PVR + IPTV Decoder



RG-100

Equipped with the latest technology and design, RG-100 is designed as a new IPTV decoder product built in Digital Satellite Receiver with 1 Common Interface Slot, capable of Personal Video Recorder as well.

As a IPTV decoder, it can bring you to the world where you can experience new interactive services called 'T-Online Vision' offered by T-Online while, as a digital set-top box, it can receive and descramble encrypted services via common interface module, as well as FTA broadcasts at the same time. The latest WinCE.Net 5.0 is adopted as a operating system. The Internet Explorer 6.0 is there for friendly browsing. WMT9 is implemented, enabling access to a lot of different window media, guaranteeing bandwidth efficiency. Contents piracy can't be even imagined with MS DRM 7.1 embedded. Where you are connected to network of T-Online is where you can get thrilled with services of VOD, Web-Portal, Premium Electronic Program Guide & Web-Mail etc.

RG-100, as a PVR, also utilizes the loaded software functions with hard disk drive. With 80GByte storage, it supports recording, recorded services playback and time shifting recording function, utilized by Trick play function for all of which.

Viewers can now enjoy both outstanding stability and comfort in this affordable set-top box loaded with the very best technology Humax offers. The simple installation and operation, user-friendly three dimensional OSD, highest quality audio output with Dolby Digital Audio, and advanced video clarity made for TV and VCR are all designed to enrich the viewer experience.

In addition to providing more channels with the new highly sensitive tuner, RG-100 boasts the Electronic Program Guide(EPG) and information plate that enable subtitles and teletext for a bounty of useful information on programs and broadcast signals.

Software upgrade notices are posted periodically on the web site, and new versions can be easily updated through automatic software upgrade service (OTA) via satellite or through software download service on HCSA (HUMAX Customer Service Area) via the built-in serial interface (RS-232C). With the latest software, viewers are always sure to enjoy endless hours of extraordinary digital broadcasts and an abundance of data.

EPG (Electronic Programme Guide)

- Programme listings broadcast daily
- stored in flash memory
- Full seven day look ahead capability
- Rapid page navigation
- Detailed programme synopsis
- Additional information relating to new series or special features
- Reminders and favorite channel feature
- Support to search the specific program by name and genre

Digital Satellite Set-Top Box + Personal Video Recorder + IPTV Decoder

RG-100**H/W Specification****Power Supply**

Input Voltage	AC 90~250, 50/60 Hz
Type	SMPS
Power Consumption	Max. 40 W w/o HDD Stand By mode: Max. 8.5 W
Protection	Separate Internal Fuse & Lightning Protection

Demodulator

Waveform	QPSK in accordance with ET300 421
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

Tuner & Channel

IRF Input Connector	F-Type, IEC 169-24, Female
RF Output Connector (Loop Through Out)	F-Type, IEC 169-24, Female
Frequency Range	950 to 2150 MHz
Signal Level	minus 25 to minus 75dBm
LNB Power & Polarization	Vertical: +13.5, Horizontal: +18 V
22 KHz Tone	Frequency: 22 KHz +- 4K Hz Amplitude: 0.6 +- 0.2 V
DiSEqC Control	Version 1.2 Compatible, USALS

Video Decoder

Transport Stream	MPEG-2 ISO/IEC13818
Profile Level	MPEG-2 MP@ML
Input Rate	Max. 15Mbps
Video Formats	4:3, 16:9 Letter Box (default)
Video Output	CVBS, RGB
Video Resolution	Max. 720 x 576

Audio Decoder

Audio Format	MPEG/MusiCam Layer I & II
Audio Mode	Single/Dual mono/Stereo/Joint Stereo

Conditional Access Interface

Common Interface	2 Slot
Smart Card Reader	None

SCART

TV SCART	Video Output (CVBS, RGB, S-Video, Y/C) Audio Output (Res: 20bits DAC, Max. 2Vrms)
VCR SCART	Video Input (CVBS, RGB, S-Video) Video Output (CVBS, S-Video) Audio Output (Res: 20bits DAC, Max. 2Vrms)
Digital Audio Data Port	1 Optical, 1 Coaxial RS 232C (9 pin)

Front

Buttons	4 key (Standby / On, TV/Radio, CH+, CH-)
Indicators	3 LEDs (Standby, TV, Radio)
Display	4 digit, 7 - segment

Physical Specification

Size (W x H x D)	370 x 60 x 262 mm
Weight (Net)	3.0 kg w/o HDD
Operating Temperature	0 °C to 45 °C
Storage Temperature	-10 °C to 70 °C
Accessories	RCU, User's Manual, 2 Batteries, LAN Cable

VOD MODULE

● CPU	XSCALE
● Memory	
Flash Memory	32 Mbytes
Sdram Memory	64 Mbytes : System 16 Mbytes : WMT9 Decoder 8 Mbytes : Graphic Memory
● Decoder	WMT9 Decoder
● Network	LAN WLAN : 802.11b(optional)



※ Specifications and functions may be changed for improvement without notice in advance.

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