

DVB-T Set-Top-Box

1. Design

1.1 Front Panel

1.1.1 Homecast DVB-T MPEG4 HD PVR Conax



Supplier reserves the rights to change the front panel of STB.

1.2 Remote Control Unit

2.1.1 for both DVB-T MPEG4 PVR



2. EU-Directive 2002/96/EC & 2002/95/EC

- 1) We already started and complied with WEEE-directive to all products produced in our factory from last year.
- 2) We follow the RoHS-directive from 1st Jan 2006 and products for EU are complied with RoHS-directive.

3. Provide training and technical support

- 1) We supply service manual for customer's field service. If necessary, we can dispatch our engineer / technician for after sales service & repair training.
- 2) In order to improve the ability of partner's engineers, we have been carrying out annual engineering tour.

4. Description of environmental policies and quality assurance systems.

- 1) Environmental policies
 - A. We ensure environment-friendly features of our products by responding to improved international regulations on environmentally hazardous substances.
 - B. We ensure that we will take responsibilities for any damage or any loss caused to the customer by the case that nonconformity to your environmental criteria or inconsistency, incorrectness, etc., of the said information results in dispute, suit, etc., between the customer and a third party.

HD DVB-T PVR STB SPECIFICATION

(HD(SD) + MPEG2/4 + H.264 + DVB-T + PVR + CONAX)

Features :

- Two Tuners
- HDTV, SDTV display supported
- Teletext close caption
- Aux composite input, video and L/R audio input for DVD/VCR
- Aspect ratio adjustment 4:3 (16/9 crop), 4:3 (16/9 letterbox), 16:9 (4/3 pillar box)
- Video/audio connections including YPbPr, composite, S/PDIF outputs
- Output format 1080i, 720P, 576P and 576i. (Europe@50hz)
- HDCP
- User friendly OSD and operation
- Favourite channel selections
- S/W upgrade through RS-232, USB 2.0 and OTA
- Parental Guide and rating control
- Picture in Picture supported
- Electronic Program Guide
- PVR capable
- Two recording and play back simultaneously
- Trick mode supported
- USB 2.0 supported
- Jukebox supported

Technical Specifications

Categories	Parameter	Specifications
Tuner & Demodulator	Input Connector	1 X IEC169-2, female
	Loop through Connector	1 X IEC169-2, male
	Input Signal Frequency	VHF 174~230 MHz, UHF 470~860MHz
	Input Signal Level	-90~-20dBm
	Input impedance	75 Ohms nominal
	IF Center Frequency	36.167 MHz
	IF Bandwidth	6.66 MHz, 7.61MHz
	Waveform	OFDM
	Transmission mode	2K FFT, 8K FFT
	Constellations	QPSK, 16QAM, 64QAM
	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
MCPC and SCPC	Supported	
MPEG	Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
	Video	MPEG-2 MP@ML, H.264/AVC
	Audio	MPEG-1/2 Audio Layer 1,2, AC3(Dolby Digital)
	Video bit rate	1.5~15 Mbps
	Active pixel	1920x1080i, 1280x720p, 720x576p, 720x576i
	Aspect ratio	4:3 or 16:9
	Audio Mode	Stereo, Dual channel, Joint stereo, Mono
	Audio Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
Connector	Video	S-Video; RCA (VIDEO); Component (YPbPr); HDMI
	Audio	RCA(Audio L,R); SPDIF
	Serial Port	RS232C D-sub male type
	USB2.0	Rear : Host x 2ea / Slave x 1ea
	LAN Port	RJ45
Power Supply	Input Voltage	90~260VAC(SMPS)
	Power consumption	Operation : 28W Standby : 8W
	Protection	Separate internal fuse Lighting protection
Environmenta l	Operating temperature	0 ~ 45 C
	Storage	-10 C ~ +50 C
	Storage humidity range	5 ~ 90% Rh Non condensing
	Operating humidity range	10 ~ 85% Rh Non condensing
	Weight	3.4Kg
	Dimension(H x W x D)	60mm x 360mm x 270mm
Conditional Access Interface	PCMCIA	2 Slot Common Interface
	Embedded	1 Slot Smart card reader (Conax)

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