

CI-8100PVR

Personal Video Recorder and 2CI



Only it can freeze time and play back every second of it

Equipped with the latest technology and design, the CI-8100PVR is a Personal Video Recorder and Digital Satellite Receiver with 2 Common Interface Slots.

As a PVR, CI-8100PVR utilizes the loaded software functions with hard disk drive. This allows for assorted trick play, diverse formats of recording, and recorded services playback, all through time shift recording function.

As a digital set-top box, it can receive encrypted services via common interface module, as well as FTA broadcasts. Viewers can now enjoy both outstanding stability and comfort in this affordable set-top box loaded with the very best technology HUMAX can offer. 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, CI-8100PVR 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 Internet homepage, and new versions can be 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.

Features & Functions

Personal Video Recorder

- Momentous pause and play with button during A/V watching.
- Fast Forward & Fast Rewind in various speeds.
- Jump to live program.
- Slow Motion to Forward & Backward in various speeds.
- Automatic rewind for a time and play with button (Instant Replay)
- Time shift recording for 60 to 90 Minutes.
- Recording live channels and stop.
- Recording reservation in EPG information.
- Recording reservation with setting start time and duration.
- Play back of recorded services with Trick play modes.
- Built-in hard disk drive

Digital Set-top box

- Scrambled channel receivable with DVB CI.
- MPEG-II Digital & Fully DVB Compliant.
- Max. 5000 channels receivable.
- Channel list mode in All, Favorite, Satellite, Scrambled.
- Finding channels by name.
- 5 Favorite channel groups (Max. 100 channels in each group).
- Channel search in automatic, manual and network search.
- Channel sorting by Channel Number, Alphabet, FTA.
- Installation Wizard helps easy and automatic installation step by step.
- DiSEqC version 1.0, 1.2 USALS compliant (2.0 compatible)
- Timer Setting Supports automatic Turn-On and Off daily.
- Subtitle supports EBU and DVB subtitle.
- Teletext Supports DVB ETS300472 by VBI insertion.
- Dolby Digital Audio Output (optical).
- Auto language selection of program for Audio language with user setting in menu.
- PAL/NTSC In and Out.
- Video format in 4:3, 16:9 and letterbox.
- English, German and more than 10 European and Asian OSD languages.
- Parental control with block on system, all channels and programs by age limitation.
- Software Upgrade via OTA and serial connection (RS - 232C).
- User-friendly EPG and Information Plate.
- Extended information shows the full program information.

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It's HUMAX's top technology on top of the technology you know

H/W Specification

Power Supply

Input Voltage Type	AC 90 ~ 250, 50/60 Hz
Power Consumption	Switching Mode Power Supply Max. 30 W (without HDD) Stand - by: Max. 5 W
Protection	Separate internal fuse & lightning protection

Demodulator

Waveform	QPSK decoding in accordance with ETS300 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

1 RF Input Connector	F-Type, IEC 169-24, Female
1 RF Output Connector (loop through out)	F-Type, IEC 169-24, Female
Frequency Range	950 ~ 2150 MHz
Signal Level	-25 ~ -75 dBm
LNB Power & Polarization	Vertical: +13.5 V, Horizontal: +18 V Current: Max. 400 mA, overload/short Protection Frequency: 22 ± 4 KHz Amplitude: 0.6 ± 0.2 V Version 1.0, 1.2, USALS (2.0 Compatible)
22 KHz Tone	
DiSeqC Control	

Video Decoder

Transport stream Profile Level	MPEG-2 ISO/IEC 13818 MPEG-2 Main Profile @ Main Level
Input Rate	Max. 15 Mbit/s
Video Formats	4:3, 16:9 Letter box (Default)
Video output	CVBS (Default), RGB, S-Video
Video Resolution	Max. 720 x 576 / 720 x 480

Audio Decoder

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

RF-Modulator

RF/Loopthrough Output Connector	75Ω, IEC 169-2, Male/Female
Frequency	470 MHz ~ 862 MHz
Output Channel	CH 21-69 for modulator
TV standard	PAL G/I/K selectable by Menu
Preset Channel	CH36 (or TBD). Software changeable by Menu

Conditional Access Interface

Common Interface	2 Slot
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SCART

TV SCART	Video Output (CVBS, RGB, S-Video) Audio Output (Resolution: 20bits DAC, Max. 2 Vrms)
VCR SCART	Video Input (CVBS, RGB, S-Video) Video Output (CVBS, S-Video), Audio Output (Resolution: 20 bits DAC, Max. 2 Vrms)

RCA

Video RCA	1 Output
Audio RCA	2 Output (Left, Right)

Data Port

RS-232C	3-pin (Transfer rate 115 Kbps)
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Front

Slot	2 CI Slots
Buttons	4 keys (Standby / On, TV / Radio, CH+, CH-)
Indicators	3 LEDs (Standby/On, TV, Radio)
Display	4 digit 7-Segment

Rear

Main Power Cable	Fixed type on the body
Tuner & LNB SCARTs	1 Input with loopthrough 1 for TV, 1 for VCR
RCA	1 Video Output, 2 Audio Output (Left, Right)
Data Port	1 RS 232 (3-pin type)
S-Video	None
Power Switch	Yes
RF Modulator	1 Input & 1 Output
S/PDIF	1 Optical Output
Modem Port	None

Physical Specification

Size (W x H x D)	370 x 60 x 262
Weight (Net)	2.7 kg without HDD
Operating Temperature	0 °C ~ +45 °C
Storage Temperature	-10 °C ~ +70 °C

Accessories

RCU, User's Manual, 2 Batteries (AAA)



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