

ELANVISION

EV-8000S

Features & Technical Specifications



I. General Description

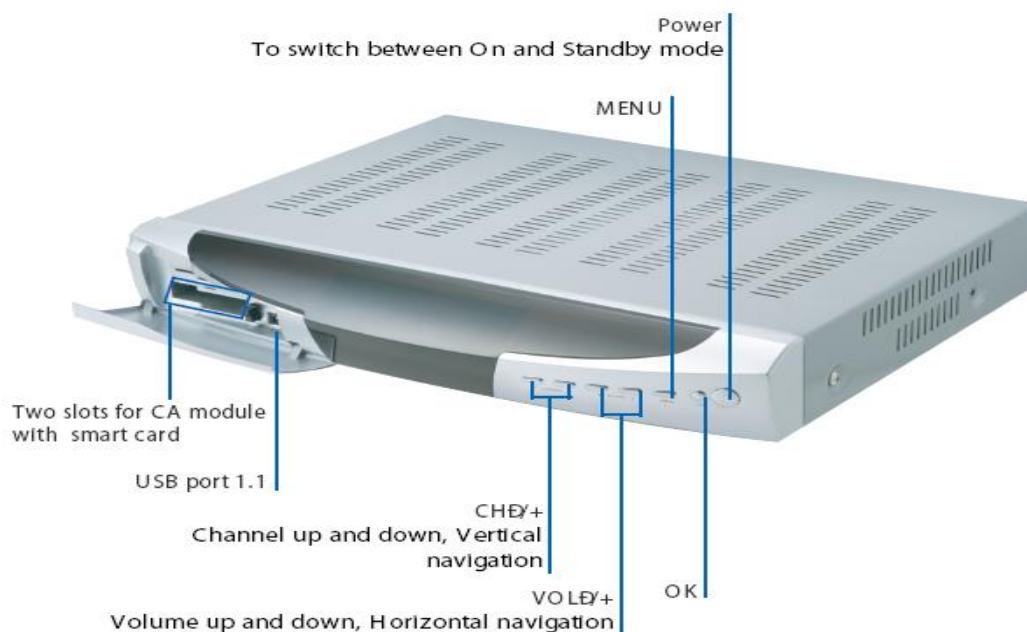
EV-8000S is fully compliant with the international DVB standard and thus transmits digital images, sounds, information guides and Teletext directly to your TV through a DVB satellite. Now you can comfortably see and receive digitally transmitted music, news, movies and sports satellite broadcasts in your office or at your home.

This PVR is prepared to be equipped with an internal hard disk drive used to record and playback TV and radio programs. It also has two tuner inputs from your satellite dish, allowing you to view or Timeshift one channel while simultaneously recording two more channels. Just push pause or record and you will always have instant access to your preferred programs.

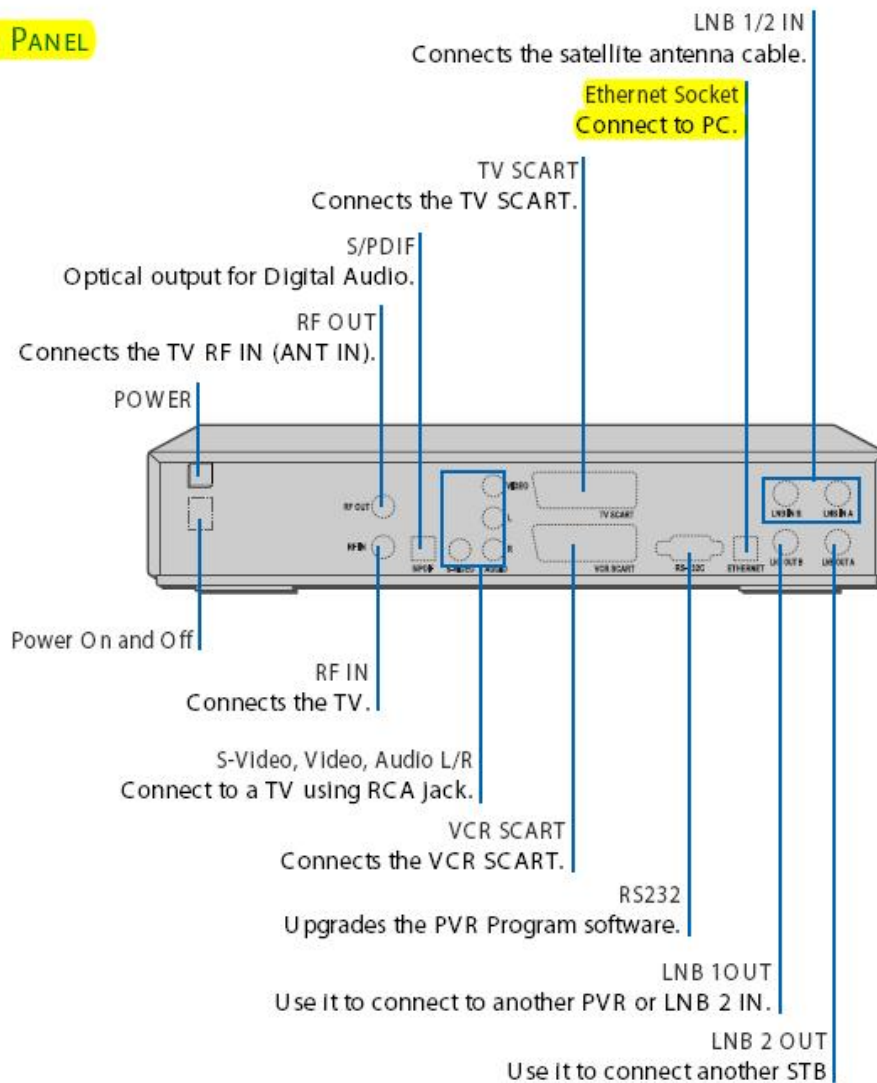
One of the distinctive features of EV-8000S is multimedia functionalities. You can plug your digital camera directly into the USB connector on the front panel and you can enjoy viewing photos on TV with your family and friends. Not just digital cameras, but also MP3 players can be connected in the same way. JPG photos and MP3 files can be stored in the PVR very easily without having to use a PC. Interesting games are embedded in this PVR and you can enjoy playing them on TV. What's more, advanced PC Software is provided, allowing you to play videos or view photos on PC as well. EV-8000S is future proof with its Linux operating system and its advanced and comprehensive features will make you satisfied with any current and future applications. This PVR will turn your TV into the center of all digital devices of home!

II. Front & Rear Panel

FRONT PANEL



REAR PANEL



III. TECHNICAL SPECIFICATION

Tuner and Channel Decoder	
Input/ Loop-through Connector	75 . IEC 169-24, Female 2 LNB Input, 2 LNB Output
Frequency Rate	950~2150 MHz
Signal Level Output	-65 ~ -25 dBm
DiSEqC Control	1.0/ 1.2/ USALS
MPEG Transport Stream A/V Decoding	
Transport Stream	ISO/IEC 13818-1 MPEG-2
Profile Level	MPEG-2 MP@ML
Aspect Ratio	4:3, 16:9, Pan & Scan, LetterBox
Video Resolution	720x576 (PAL), 720x480 (NTSC)
Audio Decoding	MPEG-1 Layer 1, 2 & 3
A/V and Data In/Out	
TV-SCART	Video CVBS/ S-VIDEO/ RGB/ YPbPr Output Audio L/R Output
VCR-SCART	Video CVBS Output Audio L/R Output Video CVBS/ S-VIDEO/ RGB Input Bypass Audio L/R Output
RCA A/V	Video CVBS Output Audio L/R Output
S/PDIF	Digital Audio / Dolby AC-3 Bitstream Output
RS-232C	Transfer Rate 115200 bps 9 pin D-Sub Type
USB	USB 1.1 Host Controller
Ethernet	10/100 Mbps Ethernet Controller
Main System	
Main Processor	IBM Power PC
Memory	Flash-ROM min. 4MB RAM min. 40MB EEPROM 2KB
HDD	Standard IDE 3.5", no capacity limitations.
Front Panel Display	Vacuum Fluorescent Alphanumeric Display
Power Supply	
Input Voltage	90~250V AC, 50/60 Hz
Type	SMPS
Power Consumption	TBD
Standby Power	TBD
Physical Specification	
Size	380 x 70 x 300 (mm)
Weight	TBD
Operation Temperature	TBD

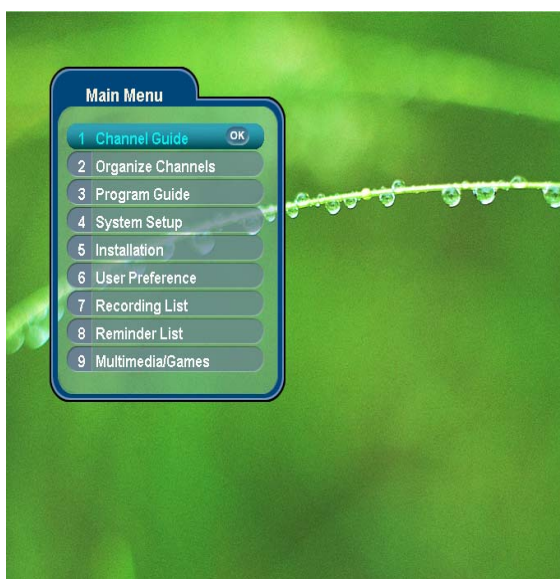
IV. Major features

- Dual Tuner
- Time-Shifting (playback with time delay)
- Recording Two Channels While Watching or Time-Shifting another Channel
- Trick Play (FF/ REW/ PAUSE/ SLOW)
- Recording Reservation Using EPG and Timer
- Video Bookmark Function
- Encrypted Channel Recording & Playback, Optional Decrypted Recording Supported
- Software PIP
- True Color OSD
- Alphanumeric VF(Vacuum Fluorescent)-Display
- USB 1.1 Host Controller – For instant interface with MP3 and digital camera
- Supports Direct USB connection to Digital Cameras from various vendors: Canon, Sony, Nikon, Fuji, Olympus, Samsung, Casio and so on.
- Ethernet Support - Networking with TCP/IP. Samba supported.
- Built-in Photo Album and Slide Show
- Built-in MP3 Player
- 3500 TV Channels & 1500 Radio Programmable
- Channel List Editing & Favorite List Editing
- Subtitle & Teletext Subtitle supported
- Teletext supported
- S/PDIF for digital audio or Dolby AC-3 bit stream output
- Video editing
- Optional built-in Smartcard Reader Interface for Conax

V. Advanced Features of EV-8000S

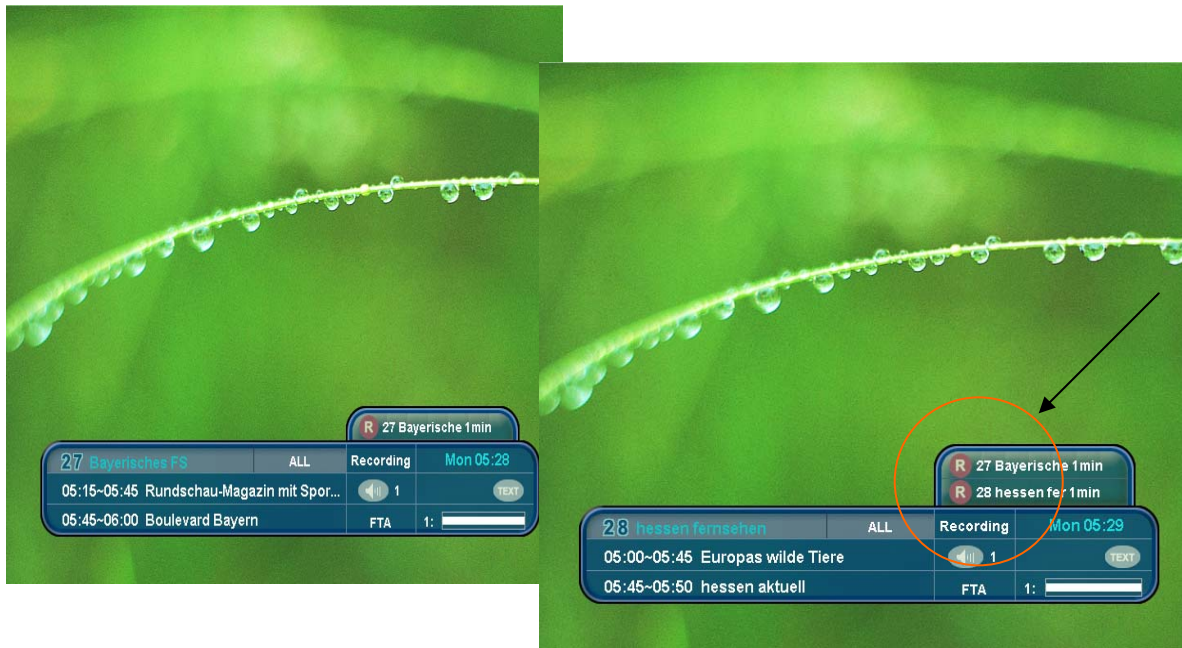
A. Advanced GUI

- True color On Screen Display suitable for high-end receiver
- Intelligently designed Intuitive Menu Structure



B. Multiple Recording

- Possible to record two channels and watch another live channel
- Possible to record two channels and timeshift another channel



C. Video Editing

- Smart CAS management enables editing of recordings, whether scrambled or not.
- Basic functions: Cut / Merge / Copy / Rename /Delete/Lock



D. Smart Replay Functionality of Recorded Video

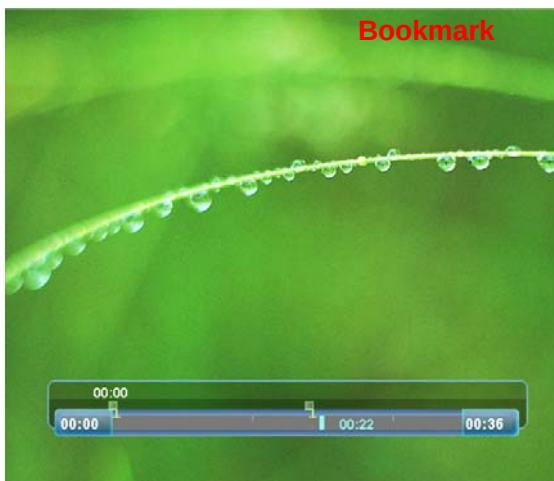
i. Recording list

- User can fast access the recordings and instantaneously play the recordings in the list.
- Possible to do all trick play in the list.



ii. Bookmark functions

- User can make video bookmarks and view them in thumbnail formats.
- User can fast access the bookmarked window.



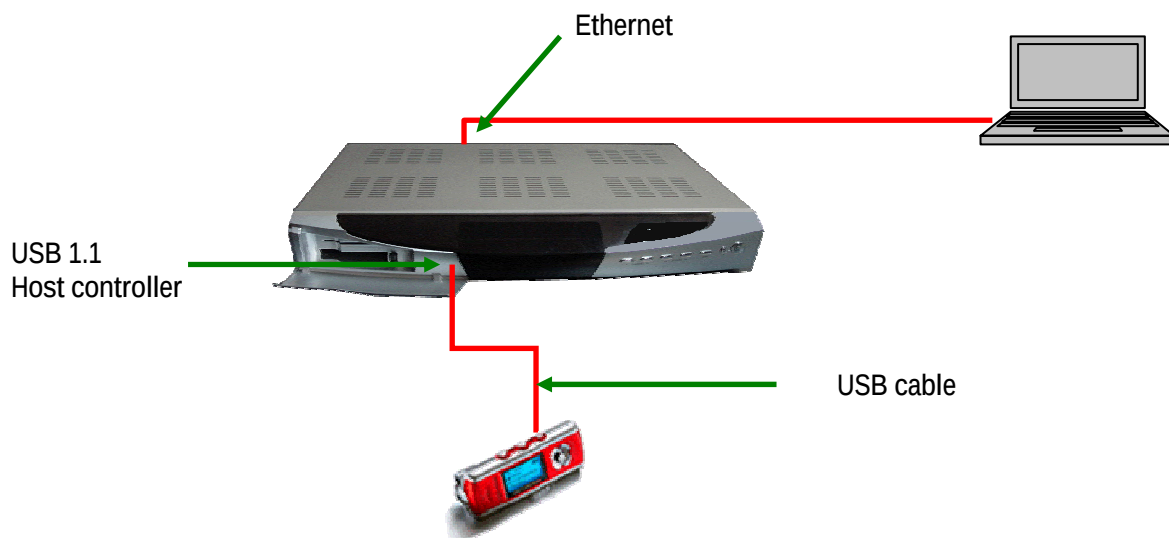
E. Comprehensive Home Multimedia functions

→ EV-8000S PVR provides the most comprehensive multimedia functions

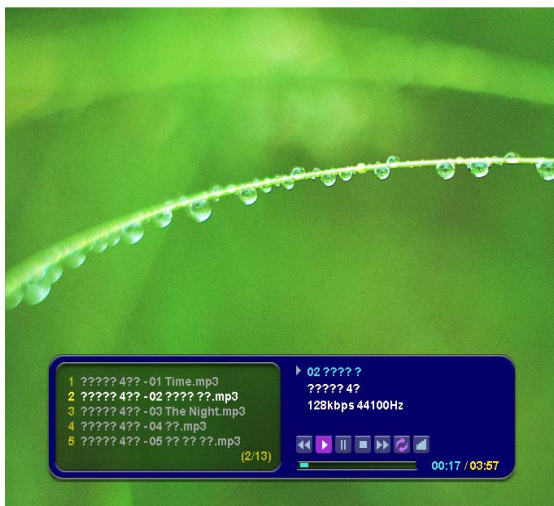
- i. MP3 player
- ii. Photo Album
- iii. PC S/W
- iv. Games

i. MP3 Player

→ Just plug your MP3 player into USB 1.1 in the front (if USB Mass Storage Class is supported).

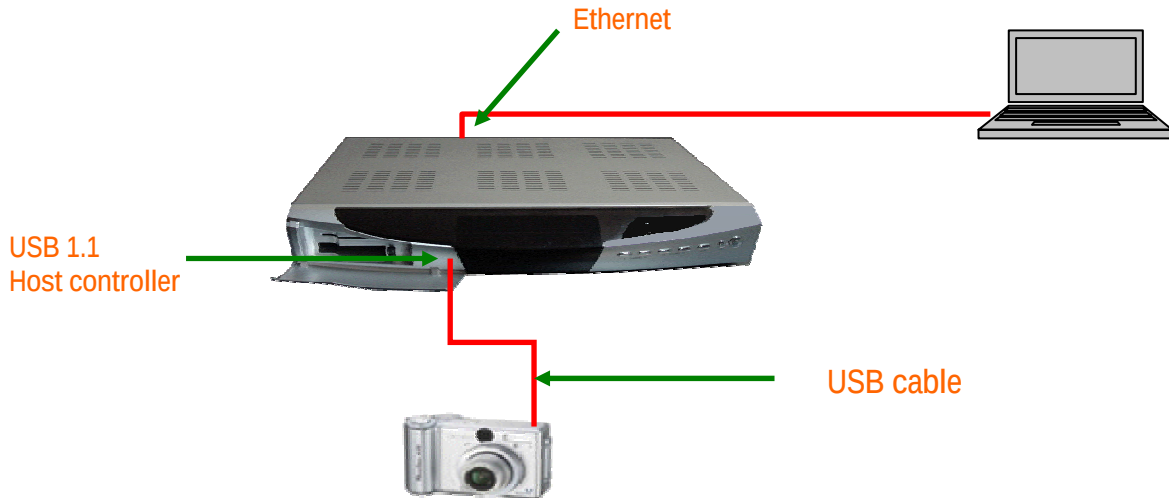


- Direct file transfer between PVR, MP3 player & PC via USB 1.1 & LAN
- Possible to retrieve MP3 music stored in the player and to play them on TV.
- Up to 320Kbps supported.
- Display live TV signal as background while music is played.

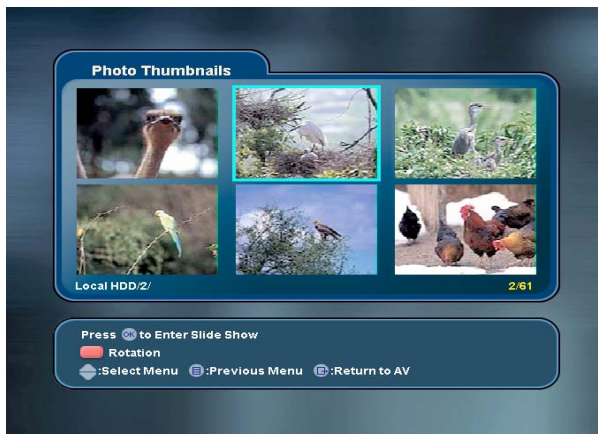


ii. Photo Album

- Just plug your Digital Camera into USB 1.1 in the front.
- Tested Cameras: Canon, Sony, Nikon, Samsung, Olympus, Fuji, Casio, etc



- Direct file transfer between PVR, Digital camera & PC via USB 1.1 & LAN
- Possible to retrieve photos stored in the digital camera and HDD to display them on TV



iii. PC S/W

- Provides PC S/W with comprehensive multimedia applications.
- Convenient & fast file transfer through Ethernet.
- Possible to transfer files between PC and PVR
- Provides PC S/W which allows
 - Play of Video recording
 - Play of MP3 player

- Play of JPG photo
- Upgrade of Firmware
- Download of games and simple S/W applications.
- Channel Edit

vi. Games

- Simple games as Tetris will be provided in EV-8000S.
- Also, by PC Software user can transfer downloaded game binary image to PVR.
- Games will be released on the web (to be specified later).

F. Ethernet Applications

→ ETHERNET CONNECTION

- PVR in LAN network → user can setup PVR in LAN Network.
- Direct cable connection between PC & PVR → user can connect PVR to PC using crossover-cable.

→ SAMBA

- By default, Samba is available in PVR when TCP/IP is configured correctly.
- Samba provides connection between PVR and Window PC or PVR name. When connection is successful, user can access three folders in PVR: mp3, jpeg and programs. Mp3 folder is for your mp3 audio files, and jpeg folder is for jpeg image files. And program folder is for Linux applications which you can run on your PVR.

→ SatcoDX

- User can import SatcoDX data to your PVR.