

GSTB100 IPTV Set-up Box

GSTB100 is a high performance Set-up Box offering IPTV and VOD services based on Ethernet. With built-in powerful hardware and software, GSTB100 outputs DVD quality Video and MP3 audios. Together with Greatway Technology's GECD100 MPEG-II encoders and GVOD100 VOD Management Server, GSTB100 can provide real-time TV channels along with video contents on the server. GSTB100 also has Karaoke microphone input for private entertainment. Greatway Technology DVD quality IPTV and VOD system is suitable for hotels and ocean ships with good Ethernet Network.



Hardware

1. HGI Chip

High Speed RISC Processor (10ns/command), built-in SPARC V8

System Clock Frequency 100MHz, 8KB Cache

32Bit Address/Data Bus, supporting various demands

Audio/Video DSP solution based on C-Cube supporting multi data rate

Integrated 2D video speeding processor and SDRAM controller

Integrated Multi I/O interfaces including UART, IRIN, I2C

2. Powerful DVD Decoding ZIVA5 Chip

Built-in high performance DVD decoding chip ZIVA5 by C-CUBE Corporation

Supporting DVD data rate up to 11Mbit/s

Supporting AC3 decoding, DTS output, multi languages and multi fonts DVD function

Supporting MPEG1, MPEG2, MP3, CDDA multi data dates

Software

WindRiver VxWorks has been embedded in the IPTV STB. The operation system has strong reliable functions and easy to maintenance.

STB Specifications

FLASH ROM: 4M

SDRAM: 32M

Ethernet: 10/100M Base-T
Supporting TCP/IP/UDP/IGMP/PPP/HTTP/FTP Protocol
Network Management: SNMP AGENT 2.0

Video Output: Composite Video (CVBS) and S-Video
CVBS Video Level: 1V_{p-p}±10%
CVBS Video Impedance: 75Ω (unbalanced)
CVBS Video Connector: RCA

Audio Decoding: Dolby Digital MPEG-1 Layers I, II and III (MP3)
Audio Connector: RCA

Front Panel: TV channel Number, Microphone adaptor, Karaoke echo/volume adjust
Rear Panel: RJ-45, Video, S-Video, Stereo Audio, RS-232 ports and power adapter

Power Supply: AC 100~240V, 50/60Hz
Dimension: 210×46×21 (mm)
Weight: 800g
Working Temperature: 0~45°C
Working Humidity: 10%~90% (Non-condensing)

Accessory: infrared remote controller, two 1.5V batteries
Control functions such as play, forward, reward, pause and stop etc.