Cost-effective IP Set-top Box for Multicast and Video-on-Demand

Benefits

Advanced Video Coding
The STB-1001S offers IP video services like Video-on-Demand and IPTV based on MPEG-4 AVC/H.264 compression technology to reach a wider audience or achieve a higher service density, and thus increase bandwidth efficiency. This enables Telcos to expand their subscriber base and offer two or more video streams per household, where only one was previously possible. This creates opportunities for substantial revenue and faster return on IPTV investments.

High-quality H.264SD Video Standard
The STB-1001S supports standard definition in MPEG-4 part 10/H.264 format. H.264 standard definition videos offer exciting and dramatic viewing enjoyment with greater realism and more details, especially on larger displays, with less bandwidth required.

Content Security Solutions
The STB-1001S is compatible with a wide range of leading content protection and right management solutions without smartcards.

Middleware Solution Support
The STB-1001S is supported by leading IPTV Middleware providers as part of their integrated broadband TV solutions. It also supports applications developed in HTML and JavaScript for content extension.

Easy Installation and Extendable Features
The STB-1001S is easy to install even for subscribers, and its field-upgradeable software platform is also handy for future technology enhancements without significant cost for IPTV service providers.
Specifications

System Specifications
- Linux based

Video Codec
- MPEG-1
- MP@L MPE-4
- MPEG-2 MP@HL
- MPEG-4

Audio Codec
- MPEG-1 layer I/II
- MP’s
- AAC
- AAL-I/LL

Data Standard
- Teletex DVB EN 300 472 standard
- Subtitle DVB EN 300 743 standard

Graphics
- 24 bits/pixel RGB
- 4:3 & 16:9 video format
- Picture in graphic
- NTSC/PAL
- Alpha blending
- Color keying
- 2D graphic acceleration

Content Protection
- Marcovision v.1.1/6.1
- Standard CA

Browser Features
- HTTP1.1
- HTTPS

Network Protocol
- PPPoE
- Ethernet/IEEE 802.3
- TCP/IP
- UDP/IP
- IGMP V3
- DHCP
- RTSP
- Telnet
- HTTP1.1
- SSL V3 (128-bit key)
- DNS
- NTP
- SNMP/TR-069

Hardware Specifications
- Power on/off switch button
- 10/100M Ethernet port x 1
- SCART interface x 1
- IR receiver
- S/PDIF, coaxial

Physical Specifications
- Dimensions: 200 (W) x 150 (D) x 50 (H) mm
- Weight: 200 g

Environmental Specifications
- Operating temperature: 0°C – 40°C
- Storage temperature: -20°C – 60°C
- Operating humidity: 20% – 90% RH
- Storage humidity: 20% – 90% RH

Certification
- UL1950
- CSA C22.2 No.950
- EN60950, EN41003
- FCC Part 15 Class B
- EN55022 Class B

Others
- Accessories
  - SCART cable (depending on region)
  - Power adaptor
  - CD
  - Infrared remote control

Application Diagram

For more product information, visit us on the web www.ZyXEL.com