

ZyXEL



Cost-Effective IP-STB for IPTV & VoD Applications

- IPTV and Video-on-Demand Applications
- MPEG-2 MP@L3, H.264
- MP@L3
- Intuitive IR Remote Control
- Able to Play H.264SD Up to 12 Mbps



Benefits

Advanced Video Coding

ZyXEL STB-1001S2 offers IP video services, such as Video-on-Demand and IPTV, based on MPEG-4 AVC/H.264 compression technology to reach a wider audience or achieve a higher density of service, and thus increased 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 - creating opportunities for substantially increased revenues and faster return on their IPTV investments.

High Video Quality H.264SD Standards

The STB-1001S2 supports standard definition with MPEG-4 part 10/H.264 format. H.264 standard definition video offers exciting and dramatic viewing enjoyments with greater realism and more details, especially on large displays with less bandwidth required.

Support for Content Security Solutions

The STB-1001S2 is compatible with a wide range of leading content protection and right management solutions with or without smartcards. Its Conditional Access feature can also be applied to terrestrial and satellite broadcasts for users to select appropriate security methods for themselves.

Support for Middleware Solutions

The STB-1001S2 is supported by leading IPTV Middleware providers for integration as part of a broadband TV solution. It also supports applications developed in HTML and JavaScript for content extensions.

Easy Installation and Extendable Features

The STB-1001S2 is easy to install even for subscribers, and its field-upgradeable software platform is also handy for future technology enhancements without costing IPTV service providers significantly.

IP Set-top Box

STB-1001S2

IP STB



Specifications

System Specifications

- linux based

Video Codec

- MPEG-1
- MPEG-2 MP@HL
- MPEG-4

Audio Codec

- MPEG-1 layer I/II
- MP3
- AAC
- AAC+LC

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 v7.01/6.1
- Standard CA

Browser Features

- HTTP1.1
- HTTPS
- HTML 4.01

- JavaScript 1.5
- DOM level2
- CSS level2
- Support cookie
- Support PNG, JPEG, GIF & Animator GIF picture format
- JavaScript extension API

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 x1
- Video - Composite
- Audio - L/R
- IR receiver support IR remote control
- SPDIF x 1
- USB 2.0 host port x1

Physical Specifications

- Item Weight: 500 g (1.1 lb)
- Item Dimensions: 200 (W) x 150 (D) x 50 (H) mm (7.87" x 5.9" x 1.97")
- Packing Weight: 1000 g (2.2 lb)
- Packing Dimensions: 295 (W) x 189 (D) x 93 (H) mm (11.61" x 7.44" x 3.66")

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Storage temperature: -30°C ~ 60°C
- Operating humidity: 20% ~ 90% RH
- Storage humidity: 20% ~ 90% RH

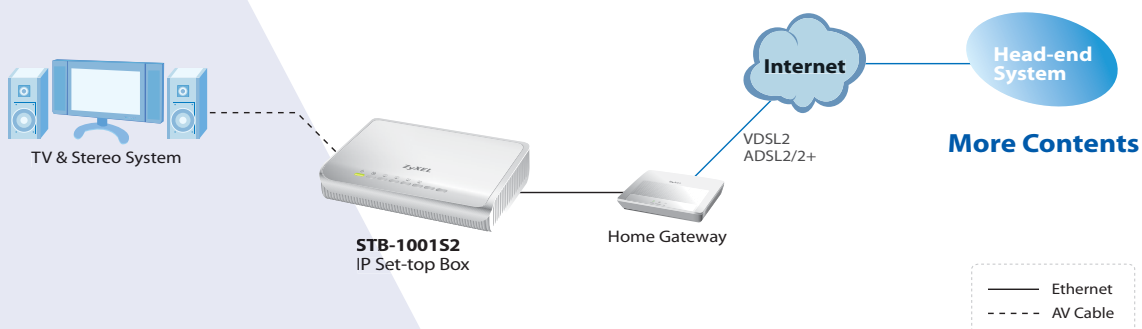
Certification

- UL (UL60950-1)
- CUL (CSA C22.2 No. 60950-1-03)

Accessories

- RCA cable
- Power adaptor
- CD
- Infrared remote control

Application Diagram



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

