IP Based IPTV HD OTT
Set Top Box

AS850 Series

- **H.264 HD Decoding**
- **IPTV Enhanced Video**
- **Multicast, VOD and Internet Access**
- **Hardware Video Encoding**
- **Flexible Audio and Video Outputs**
- **Maximum Bandwidth Efficiency**
- **Remote Management**
- **Plug and Play**
- **Easy Installation and Setup**

ACT AS850 IP Based High Definition Over-the-top (OTT) Set Top Box (STB) is an intelligent subscriber home device designed for ultimate user experience with support for IPTV services including multicast, VOD, and Internet access.

The compact device delivers best HD image quality with high memory bandwidth, power efficiency, and maximum bandwidth performance that required by the ever demanding streaming needs.

AS850 series STB box is equipped with powerful media processor in a light-weight, modern package with flexible and personalized viewing experience. It provides high quality and robust services to allow advanced streaming protocols enabling broadcast experience over the top at the superior quality.

Together with ACT end-to-end HFC and FTTX network equipment, the powerful AS850 residential OTT STB equipment enables Network Operators and Services Providers to offer their customers/subscribers with superior Audio and Video experience.

Key Features

- H.264 HD Decoding

- IPTV Enhanced Video

- Multicast, VOD and Internet Access

- Hardware Video Encoding

- Flexible Audio and Video Outputs

- Maximum Bandwidth Efficiency

- Remote Management

- Plug and Play

- Easy Installation and Setup

Specifications

Embedded Architecture
Processor: ARM Cortex A9, 600MHz, 1500DMIPs
Flash Memory: 128MB
DDRAM: 256MB
Operating System: Linux

Video
Decoding Standards:
H.264/AVC MP up to L3
Video Form: PAL / NTSC
Aspect Ratio: 4:3 and 16:9, auto Format Detection
Out Definition:
480i, 480p, 576i, 576p,720p, 1080i, 1080p
Video Output: HDMI, CVBS

Audio
Decoding Formats: MPEG (Layer1,2), MP3
Volume Control: 32-level Adjustable, Mute
Output Modes: Mono / Stereo, SPDIF

Protocols
IP Protocol: IPv4
Network Protocol: TCP/IP, HTTP, POP3, DHCP, DNS, FTP, NTP, SSL, PPPoE, SNMP, SMTP
Streaming Protocol:

Rear Panel
Ethernet Interface: 1×10/100M Base-T, RJ45
Video Output: 1xHDMI, 1xRCA for CVBS,
Audio Output: 2xRCA (L/R) for Stereo, 1x SPDIF
USB2.0 Host ×1
Plug-top Power Supply (12V Power Adaptor)
Power Switch ON/OFF
Side Panel
USB2.0 Host ×1

OSD
Video/Graphics Plane Multiple Layer
Color: 32-bit ARGB for Video
Alpha Blending: 256 Level
OSD Flicker Filter
Picture-in-Graphics
Picture Decoding: JPEG, GIF, PNG

Software
Embedded Browser:
HTML5.0, JavaScript 1.5
Work with Variety of Video Server
Support USB Mouse and Keyboard
Support a range of Middleware and Content Protect

Multicast IPTV (IGMP)

Video On Demand (RTSP/RSVP control)

HTTP Streaming

Transport Protocol: TS over UDP, TS over RTP

Interfaces

Front Panel

Standby LED for Power Indication

2 LEDs for Link and IR Indication

IR Remote Control

Solutions

Support for Multiple PID's Provided

Support JavaScript-based Network Games

Support Remote Configuration and Diagnosis

Support Online and USB Thumb Disk Software Upgrade

General

Dimensions: 178X178X33 mm(W×DxH)

Power Supply: External 12 V

Power Consumption: <10 W

Silent Operation: No Forced Air Cooling

Contact Information

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Ver. ACT_AS850_Series_Datasheet_V1b_Oct_2012