



xBC – BoIP - STB | 2011



Product Overview

Target at high-definition IP set-top box market, the xBC-BoIP-STB is a cost-effective and stylish IPTV platform. It is designed for decoding high-definition AVC/MPEG-2/VC-1 video and advanced-audio over broadband network. xBC-BoIP-STB could be used for delivering advanced and compelling broadcast, on-demand and interactive TV services.

HARDWARE

CPU & Memory

CPU: 400-MHz Dual-Core CMT MIPS32/16e class processor
Flash: 128M Byte
RAM: 256M Byte

Video

HD/SD H.264/AVC Main and High Profile to Level 4.1(HD), Level 3.1(SD)
VC-1 Advanced Profile @ Level 3, Simple and Main Profile
HD/SD MPEG-2 Main Profile at Main and High levels
SD MPEG-4 P2 SP/ASP
HD DivX 3.11/4.11/5.x/6x/Home Theater
PIP Supports simultaneous HD+SD display
Support 480i/480p/576i/576p/720p/1080i output formats
Support up/down conversion and aspect ratio change (16:9 to 4:3 or 4:3 to 16:9)

Audio

AAC LC, AAC LC+SBR Level 2, AAC+ Level 2, AAC-HE
Dolby Digital, Dolby Digital Plus
MPEG-1 Audio Layer-1/2/3 (MP3)
Windows Media and Windows Media Pro audio

Front Panel

Four-character programmable alphanumeric display
LED indicators showing network, IR, power status
A standby button
An infrared (IR) receiver
A USB 2.0 port

Four programmable buttons
Channel +/-
Hot Key (programmable)
OK Key



Back panel

A 10/100Mbps Ethernet interface (RJ45)
A composite video output (RCA)
An HDMI output
A component video output

An analogue stereo audio output (RCA)
Digital audio output: Optical
A DC input connector
An S-Video output



Graphic

Advanced 2D-effects graphic
Studio quality text and graphics at HD resolution
Supports multiple layers and windows
Anti-Flickering
Alpha Blending and Transparency
Support True Color
2D Acceleration Engine
Support Picture In Graphic (PIG)

Content Security

HDMI output support HDCP (High-Bandwidth Digital Content Protection)
Verimatrix CA/DRM

Physical information

Dimension (mm): 220 (L) x 160 (W) x 38 (H)
Net Weight: About 1kg
Working environment
Operating temperature: 5°C to 45°C
Operating Humidity: 10%-90%
Storage temperature: -20°C to 70°C
Storage Humidity: 5%-95%
Input Voltage: AC 90-240V, 50/60Hz
Output Voltage: AC 5.2V, 3.5A
An analogue stereo audio output (RCA)
Digital audio output: Optical
A DC input connector
An S-Video output

Accessories

44 keys IR Remote Control
Power Supply cable
Composite Video& Stereo Audio Cable



SOFTWARE

OS

Linux2.6

Protocol

Broadcast over IP (BoIP)

