



# OpenCable™ **DVR STB**

SMT-H3090



**imagine** Samsung SMT-H3090 is Dual tuner Digital Video Recorder(DVR) which provides Standard Definition (SD), High-Definition(HD) and Analog video signals. Dual tuner DVR allows cable subscribers to watch and record two HD programs simultaneously.

**SAMSUNG**

# OpenCable™ **DVR STB**

## SMT-H3090



## Features

### OpenCable™ Architecture

- \_ CableCARD™ Host Interface
- \_ Fully compliant with OCAP™1.0
- \_ Advanced DOCSIS™ Set-Top Gateway (ADSG) mode Two-way signalling mechanism
- \_ Out of Band(OOB) QPSK modem

### Digital Video Recorder

- \_ Viewing one program while recording another program
- \_ Simultaneous Time Shifted Buffering for two Programs

### Better video quality

- \_ Digital noise reduction and image enhancement
- \_ 3D Graphics user interface
- \_ Low power consumption

### High efficiency of Network utilization

- \_ MPEG-4 AVC/H.264 decoding supports better compression rate than MPEG-2
- \_ DOCSIS™2.0 allows increased upstream throughput for future advanced services

### Home Networking

- \_ Contents sharing with networked media devices by using advanced Home network standards (DLNA, UPnP)
- \_ DTCP-IP for Home network content protection
- \_ MoCA(Multimedia over Coaxial Alliance) upgradable (Optional)

### Easy to Use

- \_ Easy to check error messages by using 7-segment LED
- \_ Easy to upgrade STB software through external USB flash memory
- \_ Fast application launching & loading time



## Specifications

### Product Specifications

Item	Feature
CPU	400MHz RISC processor (Dual core)
Memory	384MB DDR DRAM, 64MB FLASH
RTOS	Linux
Middleware	OCAP™1.0 & OCAP™ DVR extension
CableCARD	Multi-Stream CableCARD™
Network Interface	DOCSIS™ 2.0 Cable Modem: DSG Mode Support
I/O Interface	In-band Tuner : 54 to 864MHz, Receiving 64 or 256 QAM Analog Tuner : 54 to 864MHz, Receiving NTSC OOB Messaging : ANSI/SCTE 55-1,2 & DSG Ethernet(10/100M) 1 Port USB 2.0 host 2 Ports (1 front, 1 rear) HDMI IEEE1394 1 Port NTSC-M RCA 2 Ports Component Video Output (Y/Pb/Pr) S-Video Output RCA Stereo Audio (L/R) Output S/PDIF(POF/RCA) Audio Output
Graphics	Graphic Overlay and Video Overlay 6 Independent Planes
MPEG decoding	MPEG1/2 MP@ML & MP@HL Decoding MPEG1/2 Layer I , II Audio Decoding MPEG4 Advanced Video Codec Dolby Digital AC-3 Audio Down-mix or Pass-through
Copy Protection	OpenCable POD Copy Protection HDCP, DTCP, DTCP-IP
Options	Memory Expansion upto 512(DRAM), 128(FLASH) Hard Disc Expansion upto 320GB MoCA Home Networking
Net Dimensions	400 x 290 x 75 mm 3,405g
Shipping Information	490 x 385 x 165 mm 4,569g (1unit Box)

### Front Panel Features

Feature	Description
Controls	Volume up/down, Channel up/down Power/Standby, Menu, Info, Exit
Indicators	4 7-Segment digit, Power/Standby, Recording
Color	Black paint

### Back Panel Features

Feature	Description
RF Input	F-type Female
AV Out	2 NTSC-M RCA(CVBS), S-Video, Component(Y/Pb/Pr) Video, HDMI, 2 RCA, 2 S/PDIF (Optical, Electrical)
AV In	1 Component(Y/Pb/Pr) Video, 1 RCA(L/R)
Connections-Interactive	USB 2.0 Host, IEEE 1394, E-SATA, RJ-45 Ethernet(10/100M)
CableCARD	Multi-Stream CableCARD™
Power	AC 120V, 60Hz, AC Outlet

\* The information in this publication is subject to change without notice



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