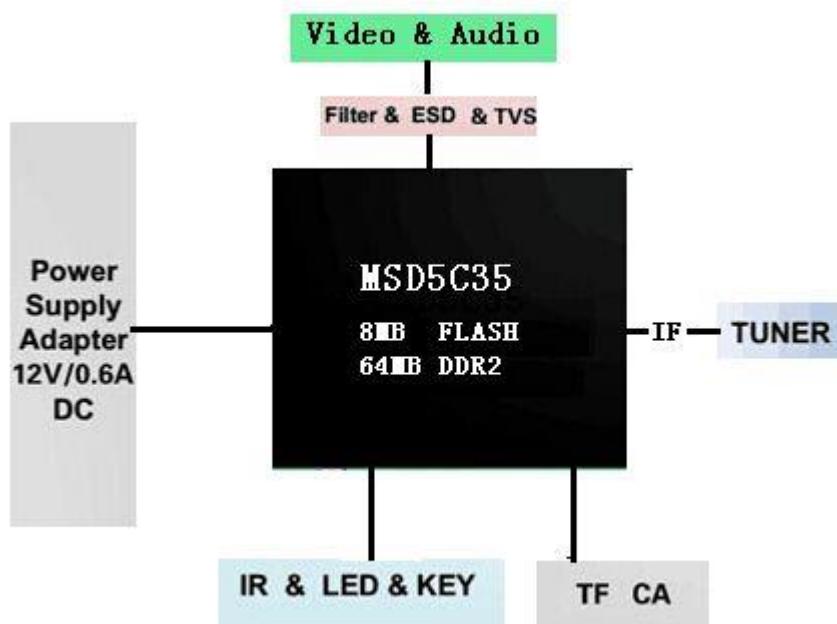

**INOTECH DVB-C SD
MSD5C35 Set Top Box**

Architectural Overview

Diagram of INOTECH STB with MSD5C35 Chip



Software General Features

Items	Features
Operating System	e-cos
CA Type	Card onboard
CA system	NSTV
Language	English
PAL/NTSC	PAL/NTSC
Video Mode	4:3/ 16:9
Display Mode	Pan /Scan/Letterbox
Audio Track	Stereo/Mix/Left/Right
EPG	7 days*24 hours Electronic Program Guide (EPG)

Parental Rating	Support Channel Control
SW Upgrade	OTA

Hardware Specification

Chipset

Items	Features
Main Chipset	MSD5C35
Maximum performance	800 DMIPS
SDRAM Memory	1*PC 64MByte DDR2 (In Main Chipset)
Flash Memory	1*PC 8MByte SPI Nor Flash

Tuner

Items	Features
Tuner Type	MXL 608
Frequency Range	47~862MHz
Channel bandwidth	8MHz
Input Impedance	75Ω
Input Level Range	40dBuV to 95dBuV (typical for 64QAM)
Signal input	IEC 60169-24 F-Type, Female
Loop Out	IEC 60169-2, Male

Demodulator

Items	Features
Demodulator IC	Embedded in Main Chipset
Demodulation	16,32,64,128,256 QAM
Symbol Rate	1 MS/s – 7.2 MS/s

Video Decode

Items	Features
Video Decode	MPEG-2 MP@ML, H.264/ MPEG4-part10 (ISO/IEC 14496-10 MP/HP video decoding, level upto L3.0 SD video decoding)
Aspect Ratio	4:3, 16:9
Video Resolution	720x576
Video Format	PAL/NTSC

Audio Decode

Items	Features
Audio Decode	MPEG-1, MPEG-2 (Layer I/II), MP3, AAC-LC, HE-AAC
Output	Stereo/Mix/Right/Left
Sampling Frequency	32KHz, 44.1KHz, 48KHz

Front Panel




Items	Features
IR	38KHz
LED Indicator	Power, Signal

4.7 Back Panel

Items	Features
RF IN	IEC 60169-24, F-Type, Female
Loop Out	IEC 60169-2, Male
RCA	1*CVBS(yellow), 1 AUDIO LEFT(white), 1 AUDIO RIGHT(red)
KEY	5* Keys (Standby, CH-, CH+, VOL-, VOL+) on the side
USB	1*USB 2.0, Type A
IR	IR extended
DC IN	12V/0.6A DC Adapter

Remote Control

Items	Features
Control Picture	
Key	45 Keys
Battery Type	2 * 1.5V AAA

Power supply

Items	Features
DC Input	12V/0.6A DC Adapter
Supply Mode	External
AC Input	90V~300V
Power Line Length	1.5m
Plug Type	India
Power Consumption	4W MAX

Environment

Items	Features
Input Voltage	90V~300V
Work Temperature	0~50℃
Storage Temperature	-20~70℃
Humidity	<95%

Mechanical Features

Items	Features
Mechanical Type	plastic case
Cover color	Black
Front panel color	Black
Back panel color	Black
Dimension	W: 160 MM, D: 103 MM, H: 30 MM

Packing

Items	Features
Type	Paper card packaging
Outline Size	Customization
Gift box	Customization
Weight	<1Kg

Accessories

Items	Features
Power Adapter	1 *12V/0.6A DC Adapter
AV cable	1 * 1m RCA cable
Remote control	1 * Customer Designed Remote Control
Battery	2 * 1.5V AAA

User manual	1* Black White Print Manual
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