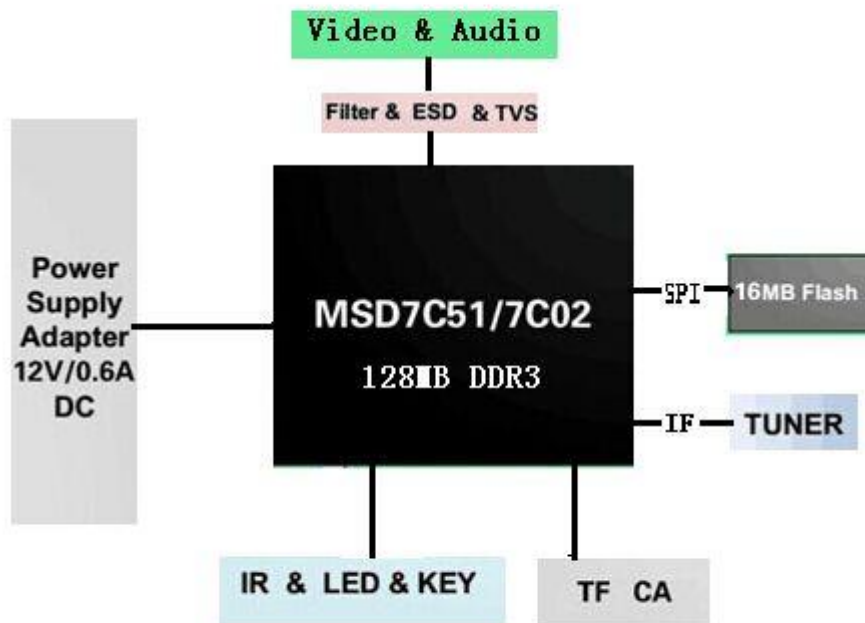

INOTECH make DVB-C
MPEG-4 HD Set Top
Box with MSD7C02
Specification

Architectural Overview

Diagram of INOTECH HD MSD7C02 Model



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	MSD7C02/MSD7C51
Maximum performance	1200 DMIPS
SDRAM Memory	1*PC 128MByte DDR3 (In Main Chipset)
Flash Memory	1*PC 16MByte 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

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@HL, ISO/IEC 14496-2 MPEG-4 SP and ASP video decoding, H.264 main and high profile up to level 4.1 video decoding
Aspect Ratio	4:3, 16:9
Video Resolution	Up to 1080p@30fps
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, 48KH

Front Panel




Items	Features
IR	38KHz
LED Indicator	Power, Signal



Back Panel

Items	Features
RFIN	IEC 60169-24, F-Type, Female
RCA	1*3.5mm RCA
HDMI	1*HDMI 1.4
KEY	5* Keys (Standby, CH-, CH+, VOL-, VOL+) on the side
USB	1*USB 2.0, Type A
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	7.2W MAX

Environment

Items	Features
Input Voltage	90V~300V
Work Temperature	0~40°C
Storage Temperature	-20~60°C
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
HDMI cable	1 * 1.5m HDMI cable
Remote control	1 * Customer Designed Remote Control
Battery	2 * 1.5V AAA
User manual	1* Black White Print Manual
