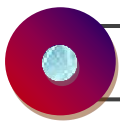
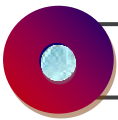


## IT-1000

# DVB-C MPEG-4 SMART HYBRID HD STB TECHNICAL SPECIFICATIONS

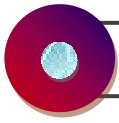


### STB Appearance Example



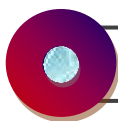
### STB Main Menu





## **STB Software Main Feature**

- Compliant with DVB-C Standard Fully
- MPEG-4/H.264 Decoded
- PAL: 576i/576p/720p/1080i/1080P
- NTSC: 480i/480p/720p/1080i/1080P
- CAS Supported
- USB WIFI Dongle both Internet and Interactive Function
- USB PVR and Time-shift
- Auto Network Lock as per Different Network Name/ID and Home TS
- NIT Auto Detect as per Service ID
- STB Guide/Genre as per BAT Table (Bouquet)
- Boot-up Logo, Radio Image and Watermark
- 7-day EPG with Synopsis and Rolling Event
- Channel Booking and Editing
- Email, Parental Lock and Timer
- Audio, Video and Picture Setting
- STB Upgrade via USB, OTA or Serial Port
- Auto, Manual or Full Channel Search
- Last Channel Memory and Multi-language
- 32 Around Favorite Group



## STB Hardware Configuration

CPU	
Main Chip	GX3113S SoC./ GX3113S-D (Dolby Supported) Linux OS or Ecos OS
CPU Frequency	1000DMIPS@660MHz, 32bit
Flash	8MB or 16MB, up to 32MB
DDR3	128MB, up to 256MB

Tuner	
Brand	MXL608
Input Signal Range	38-100dBuV
Input Impedance	75Ω

Channel Decoding	
Standard	DVB-C (ITU-T J.83A/C)
Demodulation	16,32,64,128,256QAM
Bandwidth	8M

Video Decoder	
Video Decoder	H.264, MPEG-4, MPEG-2, MPEG-1, SP/MP/AP
Video Output	CVBS*1, HDMI1.4
Video Format	PAL/NSTC
Aspect Ratio	4:3/16:9
Resolution	HD&SD to 576P,720P,1080i decode&1080P Display

Audio Decoder	
Audio Decoder	MPEG1, MP3, MPEG-4 AAC&AAC+, DRA, AC-3& DD+
Audio Output	SPDIF (Optic/Coaxial Optional)
Audio Mode	Left/Right/Stereo
Sampling Frequency	32KHz, 44.1KHz, 48KHz

## Front Panel Sample

LED Indicator	Green for Signal, Red for Standby
IR Sensor	38KHz

## Rear Panel Sample

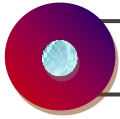
Cable In	F-Type
RCA Output	1*AV Jack@3.5 or
USB2.0	2
HDMI	HDMI1.4
IR Extension	1PCS
Power Adaptor Socket	12V=1A

## Conditional Access

Smart Card Slot	ISO7816
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## Environment

Operation Temperature	0°C~75°C
Storage Temperature	-15°C~70°C
Working Power Consumption	7W
Standby Power Consumption	<1W



## STB Hardware Protection

Part	Protection	Type	Model Number
<b>Power</b>	ESD: IEC61000-4-2 Direct Discharge 8 kV IEC61000-4-2 Air Discharge 15 kV	ESD Suppressor Diode	ES0402V014CT
	Surge and Over Voltage: Peak Pulse Power of 1.5KW(10/1000µs)	TVS Diode	TVS1.5KE15CA
<b>AV</b>	ESD: IEC61000-4-2 Direct Discharge 8 kV IEC61000-4-2 Air Discharge 15 kV	ESD Suppressor Diode High-speed Double Diode	ES0402V014CT BAV99LT
	Buffer	Audio Buffer Video Buffer	Audio SGM8905 Video SGM9113
	Reserve	Electrolytic Capacitor	Electrolytic Capacitor
<b>RF</b>	ESD: IEC61000-4-2 Direct Discharge 8 kV IEC61000-4-2 Air Discharge 15 kV	ESD Suppressor Diode	ES0402V014CT
	Surge and Over Voltage: Provide ultra-fast response to surge voltage from slow-rising surge of 100V/s to rapid-rising surge of 1KV/µs.	Gas Discharge Tube 2KV Capacitor	GDT_2RKxxxm 2KV Capacitor
<b>USB</b>	ESD: IEC61000-4-2 Direct Discharge 8 kV IEC61000-4-2 Air Discharge 15 kV	ESD Suppressor Diode	ES0402V014CT
<b>HDMI</b>	IEC61000-4-2 Direct Discharge 8 kV IEC61000-4-2 Air Discharge 15 kV IEC 61000-4-5 (Lightning) 5A (8/20µs) IEC 61000-4-4 (EFT) 40A (5/50ns)	Ultra low capacitance TVS arrays	RCLAMP0524P