

Samsung vs Skyworth (ADB Middleware)
version:R01 Updated 2017-03-06

No	Block	Parameter	Samsung STB (Model GX-TV535SH)	Skyworth STB (Model HS8100)	Judgement
1	Mechanical & Cosmetics	Dimension	160mm (W) x 43.5mm (H) x 160mm (D)	230mm (W) x 40mm (H) x 156mm (D)	Samsung is more compact size
2		Weight	400 gram	420 gram	Almost equal
3		Material	Top: Plastic ; Bottom: Metal	Top: Plastic ; Bottom: Plastic	Samsung is better
4		Finishing	Glossy	Non-Glossy	Samsung is better
5		Front Panel Display	LED : Green and Red	4 Digit 7 Segment ; LED : Green and Red	Skyworth is better
6	Connection Ports	Button & Key	Power Standby	Power Standby, Channel Up, Channel Down	Skyworth is better
7		Satellite Input	IEC 60169-24 F-Type Female 75Ω	IEC 60169-24 F-Type Female 75Ω	Equal
8		USB	1 port (Rear), USB 2.0, 5V, 1A	2 ports (Rear & Front), USB 2.0, 5V, 1A	Skyworth is better
9		RJ45 Ethernet	Not Available	1 port (Rear) with Green and Yellow built-in LED	Skyworth is better
10		HDMI	1 port (Rear),1.3a	1 port (Rear),1.4a	Skyworth is better
11	Hardware	RCA	1 port CVBS (Yellow) / 1 port Audio_R (Red) / 1 port Audio_L (White)	1 port CVBS (Yellow) / 1 port Audio_R (Red) / 1 port Audio_L (White)	Equal
12		Chipset (SoC)	Mstar 880 DMIPS	Broadcom 2000 DMIPS	Skyworth is better
13		Flash Memory	128 MB NAND + 4 MB NOR	256 MB NAND	Skyworth is better
14		DRAM	256 DDR3	512 DDR3	Skyworth is better
15		PCB	1 Main 4 Layer	1 Main 2 Layer + 1 Front 1 Layer	Samsung is better
16	Tuner & Demodulator	Tuner	External IC	Embedded in Mainchip(DVB-S/S2)	
17		Demodulator	Embedded in Mainchip(DVB-S/S2)	Embedded in Mainchip(DVB-S/S2)	
18		Frequency Range	950 - 2150 MHz	950 - 2150 MHz	
19		Input Level Range	-65 dBm ~ -25 dBm	-80 dBm ~ -25 dBm	Skyworth is better
20		C/N Threshold	-7 dB	-5 dB	Skyworth is better
21	Power Supply	LNB Switching	DC 13V/18V, 350mA Max, 22kHz	DC 13V/18V, 500mA Max, 22kHz	Skyworth is better
22		DiSeqc	Version 1.0	Version 1.0	
23		Demodulation	DVBS(QPSK)/DVB-S2(QPSK,8PSK)	DVBS(QPSK)/DVB-S2(QPSK,8PSK)	
24		Type	AC/DC Adaptor	AC/DC Adaptor	
25		Input Voltage	100V - 240V, 50/60Hz	100V - 240V, 50/60Hz	
26	RCU	Output Power	14V/25W Max	12V/24W Max	
27		Key Numbers	45	42	
28		Size	Smaller	Bigger	
29		GUI	Text based with simple graphical	Graphic based with Channel Logos	Skyworth-ADB is better
30		EPG/Guide Data	Event/Program information is not completed for 7 days (English/Indonesian), have 2H of past event display	Event/Program information is more completed for 7 days (English/Indonesian), have 30min of past event display	Skyworth-ADB is better
31		EPG/Guide Type	Only have 1 type	Have 2 types : GRID and LIST	Skyworth-ADB is better
32		EPG/Guide Screen	Current live program Small screen resized with 6 Channels Information	Current live program as background video with 7 Channels Information	Skyworth-ADB is better
33		EPG/Guide Menu	Have only categories/filters for Channel Genre/Bouquet	Have categories/filters for Channel Genre/Bouquet, EIT Genre, Recommendation and Daily time.	Skyworth-ADB is better
34		EPG/Guide Timeline	Have selection for 60min, 120min and 240min	Only have 150min	Samsung is better
35		Channel List Type	Text based with Channel Bouquet Selection	Graphic based with Channel Logo, not available bouquet selection for phase-1	
36		Channel List Information	Channel Number with Channel Name	Channel Number with Channel Logo, currently played event name and event time duration	Skyworth-ADB is better
37		Search Engine	Not Available	Have 3 kinds (7 days): SEARCH (EVENT & CHANNEL), FIND SIMILAR (Event Genre based) and OTHER AIRINGS (Event Name Based)	Skyworth-ADB is better
38		Recommendation	Not Available	Have 2 kinds: Frequently Watched Channels and Recently Watched Channels	Skyworth-ADB is better
39		Dedicated HELP screen	HELP screen through 1 "HELP" button, with latest Push Mail, without Signal Information	HELP screen through 1 "HELP" button, without latest Push Mail, with integrated Signal Information and Customer ID.	Skyworth-ADB is better
40		HELP Menu	Not Available	HELP Menu: Interactive Menu, FAQ, Remote Control, Slideshow	Skyworth-ADB is better
41		PVR	Available with external HDD	Not available for the phase-1	Samsung is better

42	Features	Advertising	Available for JPEG & GIF (animated.gif supported) Posters	Available for PNG (Alpha transparency supported), JPEG & GIF (animated.gif NOT supported for phase-1) Posters	Samsung is better
43		Advertising location	5 Locations: Decoder start-up, Main Menu, Channel List, EPG, Info Banner.	2 Locations: Micro Banner and Media Banner	Samsung is better
44		Ads Campaign	No Campaign	Channel based campaign, Scheduled campaign	Skyworth-ADB is better
45		Front Panel Display	Only Green and Red LED	Green and Red LED. Can show CLOCK during standby and Channel number when normal operation, USB Media time duration, etc using 4 digit 7 segment display.	Skyworth-ADB is better
46		Internet	3G Dongle with limited function	Not available for the phase-1	Samsung is better
47		USB availability	1 port with Read (Playback media) and Write function (Format/PVR Recording)	2 ports with Read (Playback media) function only	Almost equal
48		USB content	Only Music and Photo, Movie is not supported	Support Movie, Music and Picture Video file : AVI, MKV, ASF, MP4, Transport Stream file (TS, TP, TRP), Subtitle file (SRT) Music file : MP3 Image file : JPG, BMP, PNG, GIF (without animation)	Skyworth-ADB is better
49		USB display	Not Available	Display Thumbnails and event posters	Skyworth-ADB is better
50		Booting time	35 sec	54 sec	Samsung is better
51		Zapping time	2.3 sec ~ 2.6 sec	2.3 sec ~ 2.6 sec	Almost equal
52		Channel Scan and Search time	max 10 sec	max 25 sec	Samsung is better
53		1st Channel display after standby/Power OFF	Always Channel 1 (Lowest LCN) "JENDELA"	Always Last viewed channel	
54		New SW Upgrade	USB and OTA (Manual by Menu, Force by CAS)	USB and OTA (Manual by Menu, Force by CAS, and Scheduled-Automatic during standby and 4 am) for Phase-1. IPv4 and IPv6 for Phase-3.	Skyworth-ADB is better
55		Scrolling Text and Early Warning System (EWS)	Support Both	Scrolling Text for Phase-1. EWS for Phase-2	Samsung is better