WHD8001B

IPTV/OTT Box

INTRODUCTION

WHD8001B is a high performance Android STB that can support up to 4K video decoding. With Android 9.0 Operation System, it can support both our own IPTV APK and any other third-party APK. With Mpeg-2/H.264/H.264 video decoding and all mainstream audio decoding capability, it can be widely used in different IPTV/OTT applications for HDMI/AV output with either Wifi or Ethernet network access.

SPECIFICATIONS

System Information	
Chipset	Amlogic S905X
OS	AOSP 9.0
CPU	Quad core ARM CortexA53 1.5GHz
GPU	Mali450
Memory	1GB
FLASH	8GB
Video Picture decode	• VP9 Profile-2 up to 4Kx2K@60fps • H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps • H.264 AVC HP@L5.1 up to 4Kx2K@30fps • H.264 MVC up to 1080P @60fps • MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496) • WMV/VC-1 SP/MP/AP up to 1080P@60fps • AVS-P16 (AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps • MPEG-2 MP/HL up to 1080P@60fps (ISO-13818) • MPEG-1 MP/HL up to 1080P@60fps (ISO-11172) • RealVideo 8/9/10 up to 1080P@60fps • WebM up to VGA • Multiple language and multiple format sub-title video support • MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918) • Supports JPEG thumbnail, scaling, rotation and transition effects • Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg file formats
Audio decode	• Supports MP3, WMA, RM, FLAC, Ogg, DTS Optional and programmable with 7.1/5.1 down-mixing • I2S audio interface supporting 2-channel input and 8-channel (7.1) • Built-in serial digital audio SPDIF/IEC958 output and PCM input/output • Built-in stereo audio DAC • Stereo digital microphone PDM input • Supports concurrent dual audio stereo channel output with combination of analog+PCM or I2S +PCM

Peripheral Interface	
USB	2xUSB2.0
Video/Audio Output	1xHDMI2.0 + 1xAV
Network	1xRJ45 (10/100Mbps)
WIFI	2.4GHz+5GHz
BLT	V4.2
Power Interface	1xDC 12V/1A
Power Switch	1xPower on/off
LED	Power/Standby + Network Status + IR Status

Other Information	
Remoter	BLT or IR
Dimensions	110x110x26mm
Operating Temperature	-5°C~55°C
Storage Temperature	-20°C ~ 60°C
Working Humidity	20%~90%