

4K Smart Set Top Box

model: HG680-PM



Technical specification

SOC & Memory

- ◆ CPU: Amlogic S905X ARM Cortex A53 Quad core, 64bit
- ◆ GPU: Mali 450 Penta core
- ◆ Flash : 8GB eMMC
- ◆ RAM : 1GB/2GB DDR4

Wi-Fi&Bluetooth

- ◆ IEEE 802.11 b/g/n 2.4G Wi-Fi

OS

- ◆ Android 9.0

Security

- ◆ HDMI 2.0&CEC, HDCP
- ◆ Verimatrix IPTV/OTT(optional)
- ◆ PlayReady
- ◆ Widevine L1

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Front Panel

- ◆ 3 LED(Power + IR + Ethernet)
- ◆ 1 IR receiver



Rear Panel

- ◆ HDMI
- ◆ RJ45 10/100Mbps Ethernet port
- ◆ Micro SD slot
- ◆ AV
- ◆ DC input



Left Panel

- ◆ SPDIF
- ◆ Rest slot



Right Panel

- ◆ USB 2.0*2



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Video/Picture

➤ Decoding :

- ◆ VP9 Profile-2 up to 4Kx2K@60fps
- ◆ MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)
- ◆ MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)
- ◆ MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)
- ◆ H.264 MVC up to 1080P @60fps
- ◆ H.264 AVC HP@L5.1 up to 4Kx2K@30fps
- ◆ WMV/VC-1 SP/MP/AP up to 1080P@60fps
- ◆ AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps/AVS2-P2 Profile up to 4Kx2K@60fps
- ◆ RealVideo 8/9/10 up to 1080P@60fps
- ◆ Multiple language and multiple format sub-title video support
- ◆ MJPEG and JPEG unlimited pixel resolution decoding (ISO/IEC-10918)

➤ Encoding:

- ◆ H.264 video encoding up to 1080P@60fps with low latency
- ◆ Independent JPEG and H.264 encoder with configurable performance/bit-rate
- ◆ JPEG image encoding

➤ Format

- ◆ MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM/JPG

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Audio

➤ Decoder :

- ◆ Dolby Digital/ Dolby Digital plus(Optional), DTS(Optional) and programmable with 7.1/5.1 down-mixing

➤ Format:

- ◆ MP3, AAC, WMA, RM, FLAC, Ogg etc.

➤ Output:

- ◆ Stereo/RIGHT/LEFT/MONO

Screen Ratio

- ◆ 4: 3, 16: 9

Resolution

- ◆ 1080i/1080p @50fps/@60fps
- ◆ 4K(2160i/2160P) @25fps/@30fps
- ◆ 4K(2160i/2160P) @50fps/@60fps

Image & Video Output

- ◆ HDR10,HLG

Physical information

- ◆ Dimension (mm) : 108 (L) x 108 (W) x 27.8(H)
- ◆ Weight: 128g
- ◆ Operating temperature : -10°C to 45°C
- ◆ Storage temperature : -20°C to 75°C
- ◆ Storage Humidity : 0%-98%
- ◆ Operating Humidity : 5%-90%

Accessories

- ◆ 1 x Remote Control(2 batteries)
- ◆ Power Adaptor
- ◆ 1 x Network Cable
- ◆ 1 x HDMI Cable
- ◆ 1 x Mini-CVBS Cable
- ◆ 1 x User Manual