PLAYRO□M

PRMSTB-100 IPTV SET TOP BOX

Android Based
Ultra HD IPTV / OTT
Set Top Box

Smarter. **Faster**. Better. **Live**.

PRMSTB-100 is next generation TV box powered by the Android 9.0 and targeted for future proof IPTV and OTT deployments.

With this powerful GPU architecture, it supports the latest HDR10 technologies and decoding with 8k @ 24fps 10bit HEVC, (H.265) hardware. Compare to H.265 hardware with H.264, the data compression rate of H.265 is double at the same level of video quality. In other words, PRMSTB-100 can alternatively be used to provide substantially improved video quality at the same bit rate.

Thus, it provides the opportunity to play HDR TV and 8K Ultra HD videos with HDR, and giving more realistic colors and vibrant images.

Rich Applications

With the API provided by PRMSTB-100, you have dramaticall control over the Media, Device and Android platform. All of famous applications such as **Netflix, Youtube, Amazon Prime, Spotify, Exxen, Blutv, Browser** and many more now becomes TV version and support higher resolution. Users can do real web surfing and play fun games with the PRMSTB-100's RF remote with movable 8-axis gyroscopic control.

With Wireless Mirroring, you can enjoy watching on the big screen. You can easily mirror your content such as Apps, Games, Videos, Images and Audio etc. into the TV Screen.

Enhanced Performance

PRMSTB-100 is designed to fulfill current market needs and allows you to design your own Smart TV experience with built-in Webkit based IPTV browser.

PRMSTB-100 can be used by optimizing ES5, ES6, CSS, CSS3 and HTML5 features, as well as develop fully customized and high performance applications with the WebKit core that support up-to-date web technologies.

PRMSTB-100's Ethernet interface provides more stable local network connection. The best transmission rate can be reached with the USB 3.0 interface, which is used to provide non-stuttering enjoyment when surfing the Internet. (up to 300MB per second).

Extended Memory

eMMC memory makes users enjoy faster read & write speed. The utilization of eMMC memory offers security and reliability. 2GB DDR3 RAM can run games or applications smoothly and resulting in a rich end-user experience.

iOS and Android Sharing

After pairing the PRMSTB-100 and the screen you want to transfer, your screen sharing will take place.

On your matching smart TV, you can view any content on the screen of your **iOS**-based phones in real time via **Airplay**. And on **Android**-based mobile phones, you can mirroring screens via **MiraCast**.

Smart Apps :

| Airplay | MiraCast | Netflix | Youtube | prime video | Spotify | EXXEN | blutv | Firefox |

2.4 G Wireless Remote Control

Our wireless remote control works at any angle and have IR programmable feature for Power key.

Perfectly key designed for single hand operation comfortable to the touch and convenient to control from 30 feet away. You can also select from numerous Multimedia Hot keys such as Page Up, Page down, volume controls, and mouse controls while browsing the internet on your smart TV.

With gyroscope core compensation algorithm, you can freely navigate up/down or left/right while you watch your cursor moving on your screen. You can also interact with popular applications very easily such as Netflix and Browsers.

Powered by only 2 AAA batteries, which can last up to 480 hours of constant use. In addition, features an auto sleep which saves battery life and a one-button wake up using the directional keys for convenience.

The wireless RC have device and proximity security. You can receive an event when your controller is disconnected.

Technical Data

Hardware	
CPU	Quad Core ARM Cortex A55 – 2GHz
Memory (RAM)	2GB DDR3
Memory (ROM)	16GB eMMC
Graphics (GPU)	ARM Mali-G31MP
Software	
Operating system	Android Pie 9 – AOSP
DRM	Widevine
Middleware	Customizable OTT & Hospitality platform. (with JS Device API)
Browser	Webkit (Webview – version 83.0.4103.101)
Interfaces	
Ethernet (RJ45)	10/100/1000 MBps
Wifi	802.11 b/g/n
USB	USB2.0 x 1 - USB3.0 x 1
HDMI	HDMI 2.1 Support HDMI CEC Dynamic HDR, 8Kx4K@24 and 4Kx60@fps
TF Card	MicroSD (Support 4GB/8GB/16GB/32GB/64GB)
AV Out	480i/576i standard definition output

Video & Audio

Video Codecs

Amlogic Video Engine (AVE) with dedicated hardware decoders and encoders
Support multi-video decoder up to 4x1080P @ 60fps

• VP9 Profile-2 up to 8Kx4K@24 fps
• H.265 HEVC MP-10@L5.1 up to 8Kx4K@24 fps
• AVS2-P2 Profile up to 8Kx4K@24 fps
• VP9 Profile-2 up to 4Kx2K@60 fps
• H.265 HEVC MP-10@L5.1 up to 4Kx2K@60 fps
• AVS2-P2 Profile up to 4Kx2K@60 fps
• H.264 AVC HP@L5.1 up to 4Kx2K@30fps
• 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

Video Containers	TS, MTS, AVI, MPEG, MP4, MOV, MKV, M2TS, VOB, WMV/WMA, 3GP, WAV, FLV, M3U, M3U8
Video Inputs	UDP/RTP Multicast/Unicast, Http Live Streaming (HLS), TCP/RTP Unicast, DCCP/RTP Unicast, Video On Demand (File), MPEG encoder, Video acquisition

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Technical Data	
Audio Codecs	
Supports MP3, AAC, WMA, RM, FLAC, OGG and programmable with 7.1/5.1 down-mixing	
Built-in serial digital audio SPDIF/IEC958 input/output and PCM input/output	
Built-in TDM/PCM/I2S ports with TDM/PCM mode up to 384kHz x 32bits x 8ch or 96kHz x 32bits x 32ch and I2S mode up to 384kHz x 32bits x 8ch	
Digital microphone PDM input with programmable CIC, LPF & HPF, support up to 8 DMICs	
Built-in stereo audio DAC	
Supports concurrent dual audio stereo channel output with combination of analog+PCM or I2S+PCM	
Audio Formats	MP3, OGG, WAV, AAC
Image Formats	HD JPEG,BMP,GIF,PNG,TIF, SVG
Subtitles	DVB, SRT, text MKV
Package Contents	1 x Power Adaptor 5V 2A 1 x HDMI cable 1 x PRMSTB-100 Set Top Box
Optional *1 x 2.4G PRMRC-02-RF Smart Remote Controller without batteries*	
Dimensions (width x height x depth)	77 x 77 x 17 mm
Operating temperature	-10ºC....+60ºC
Weight	0,15 kg