Kommander PS0

Video processor

Version: v1.0
Release date: September 2022
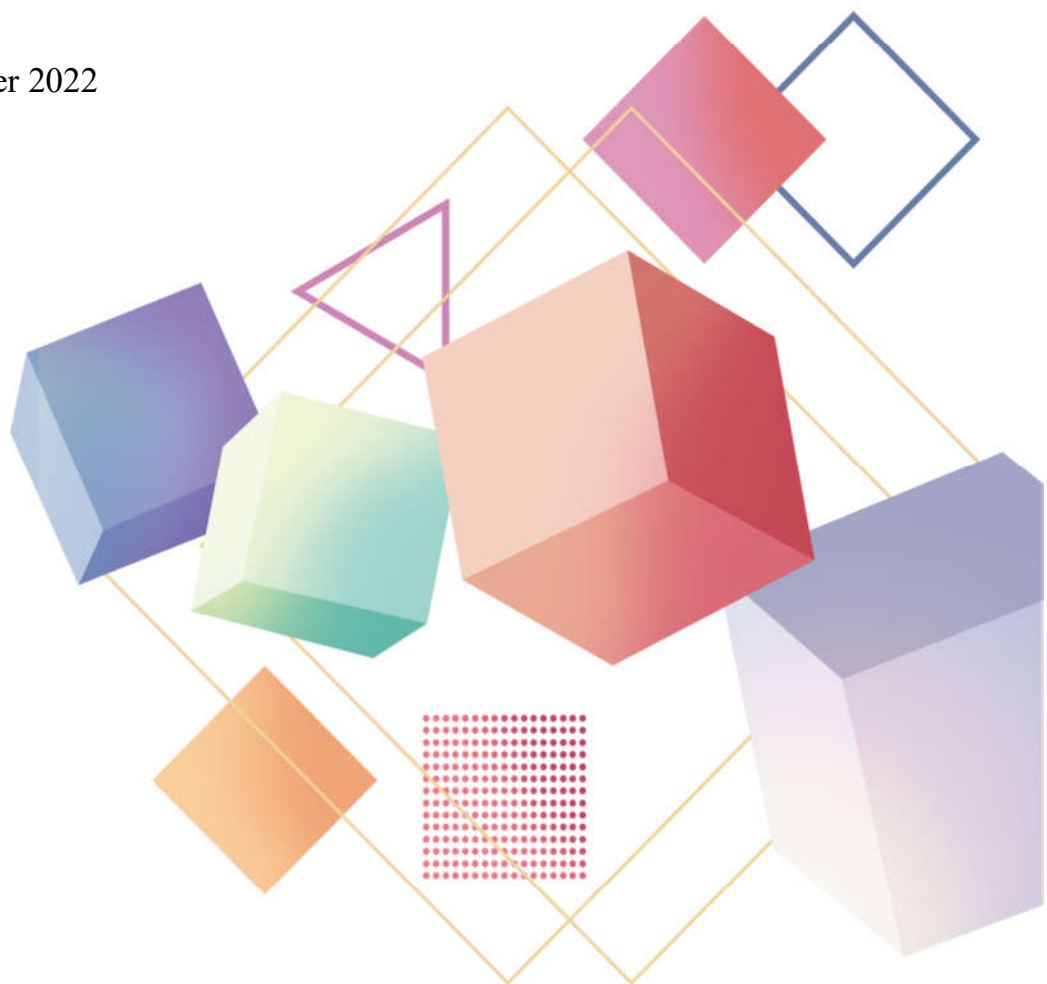
Product specification

Kommander

Update history

Release version	Release time	Release Notes
V1.0	2022-09-27	First official release.

Update history

1. Safety instructions

This chapter introduces the safety instructions of PS0, the purpose of which is to ensure the safety of storage, transportation, installation and use of the product.

The safety instructions apply to all persons who come into contact with and use the product.

Please note the following first

- Please read all instructions.
- Please keep all instructions.
- Please follow all instructions.

Storage and Transport Safety

- Please pay attention to dustproof and waterproof.
- Please avoid prolonged direct sunlight.
- Keep away from heat and sources of ignition.
- Do not place in an explosive atmosphere.
- Do not place it in a strong electromagnetic environment.
- Please put the product in a stable place to prevent product damage or personal injury caused by falling.
- Please save the box and packing materials. Can be used when storing and shipping products. For maximum protection of the equipment,
- Please repack the product according to the original packaging when it leaves the factory.

Installation and use safety

- Only trained professionals should install the product.
- Plugging and unplugging under power is prohibited.
- Please ensure that the box is safely grounded.
- Please wear anti-static wrist guards and insulating gloves.
- Do not install the product in an environment with many or strong vibrations.
- Please dust regularly.
- Do not repair the product without authorization, you can contact the after-sales service at any time.
- Please replace spare parts with the same product.

2. Product introduction

PS0 is a professional MINI broadcast control server specially launched by Bowan Technology for small LED screen display. It integrates multimedia broadcast control, information release, cluster management functions and Android application platform, and can add third-party APP applications. Powerful interaction and playback capabilities.

PS0 supports Windows, Mac OS, iOS, Android multi-platform terminal wireless projection, which can realize simultaneous projection of four screens. At the same time, according to the needs of different application scenarios, it supports docking with video conferencing systems and monitoring systems, and provides 3 scene modes, so that document presentations, video playback, and remote meetings can all match the best display effects.

PS0 has built-in monitoring function without display, supports infrared remote control, mouse, mobile phone, and computer control, and can be widely used in commercial display scenarios in government and enterprise, hotel design, medical, education and other industries.

3. Product Features

✓ Support 1 channel HDMI1.3 output, maximum support 1920×1080@60Hz point-to-point display, backward compatible.

✓ Support 1 HDMI (2K@60Hz) input, backward compatible.

✓ Support 2-way USB2.0, 1-way USB3.0, 1-way USB-OTG for multimedia material playback and function expansion.

✓ Support 2K VP9 and 2K 10bits H265/H264 video decoding, up to 60fps.

✓ Support video post-processing: de-interlacing, denoising, edge/detail/color optimization.

✓ Support TF card expansion, U disk expansion, direct plug-in live broadcast.

✓ Support online/local playback of video, audio, pictures, PPT, web pages, etc.

✓ Support connection: WIFI, Gigabit Ethernet port, direct USB cable.

✓ Support 1 channel 3.5mm audio output, audio and video synchronous output.

✓ Support cluster management in LAN/WAN and remote information publishing.

✓ Support multi-window playback, up to 4 video windows, unlimited picture windows.

✓ Based on the Android-customized desktop UI system, third-party APP applications can be added.

✓ Support personalized subtitle management such as single-line text, static text, and multi-line scrolling text.

✓ Support keyboard and mouse control, infrared remote control, mobile APP control.

✓ Support multi-platform terminal wireless projection. Including Windows, MacOS, iOS, Android systems. Up to 4 wireless projection screens can be displayed simultaneously.

✓ Cooperate with the terminal APP to realize wireless screen projection control. (Android only)

Mirroring anti-control: The speaker reversely controls the LED conference screen through the terminal to operate.

- Wireless snapshot: Screenshot wirelessly at any time through the terminal to record meeting details.

- Wireless speech: Participants speak directly through the terminal microphone, and the sound can be wirelessly transmitted to the audio system of the conference screen.

4. Appearance

Front panel

Interface	Description
USB	USB2.0×2
Indicator light	Red standby, green working
Infrared	Receive infrared signal
LCD screen	5 inch LCD monitor screen

Rear panel

| Interface	Description
AC 100-240V 50/60Hz	AC 100-240V 50/60Hz power supply
HDMI-IN	Maximum support for 2K@60Hz input (without audio)
USB-OTG	Support computer direct file transfer
USB3.0	Connect U disk, keyboard and mouse
LAN	1000M network port for networking
HDMI-OUT	Maximum support for 1920×1080@60Hz output
TF	Support TF card expansion
SIM	Support SIM card Internet access
AUDIO-OUT	Support 1 channel 3.5mm audio output
SENSOR	Optional light sensor, smoke sensor, temperature and humidity probe, radar, infrared module
WIFI	Own hotspot, connect to network
Reset hole	Restore factory settings

5. Hardware parameters

Hardware Configuration	
CPU	Large and small core CPU structure, frequency up to 1.8GHz
GPU	Support OpenGL ES1.1/2.0/3.0/3.1, OpenCL, support AFBC (frame buffer compression)
RAM	2G
ROM	16G (expandable)

6. Product specification

Electrical Specifications	Input voltage	AC100-240V 50/60Hz
Working environment	Temperature	0℃ ~ 50℃
	Humidity	10%RH ~ 75%RH, non-condensing
Storage environment	Temperature	-25℃ ~ +125℃
Physical Specifications	Dimensions	177 × 154 × 95mm (L×W×H)
	Net weight	1.5kg
	Gross weight	2.3kg
Packaging Information	Dimensions	310 × 265 × 115mm (L×W×H)
	Accessory list	1× GLX-TDS0
		1× Suction Cup Antenna
		1 x Power adapter
		1× HDMI cable
		1× Infrared remote control
		1× Certificate of Conformity

7. Dimensions

Statement
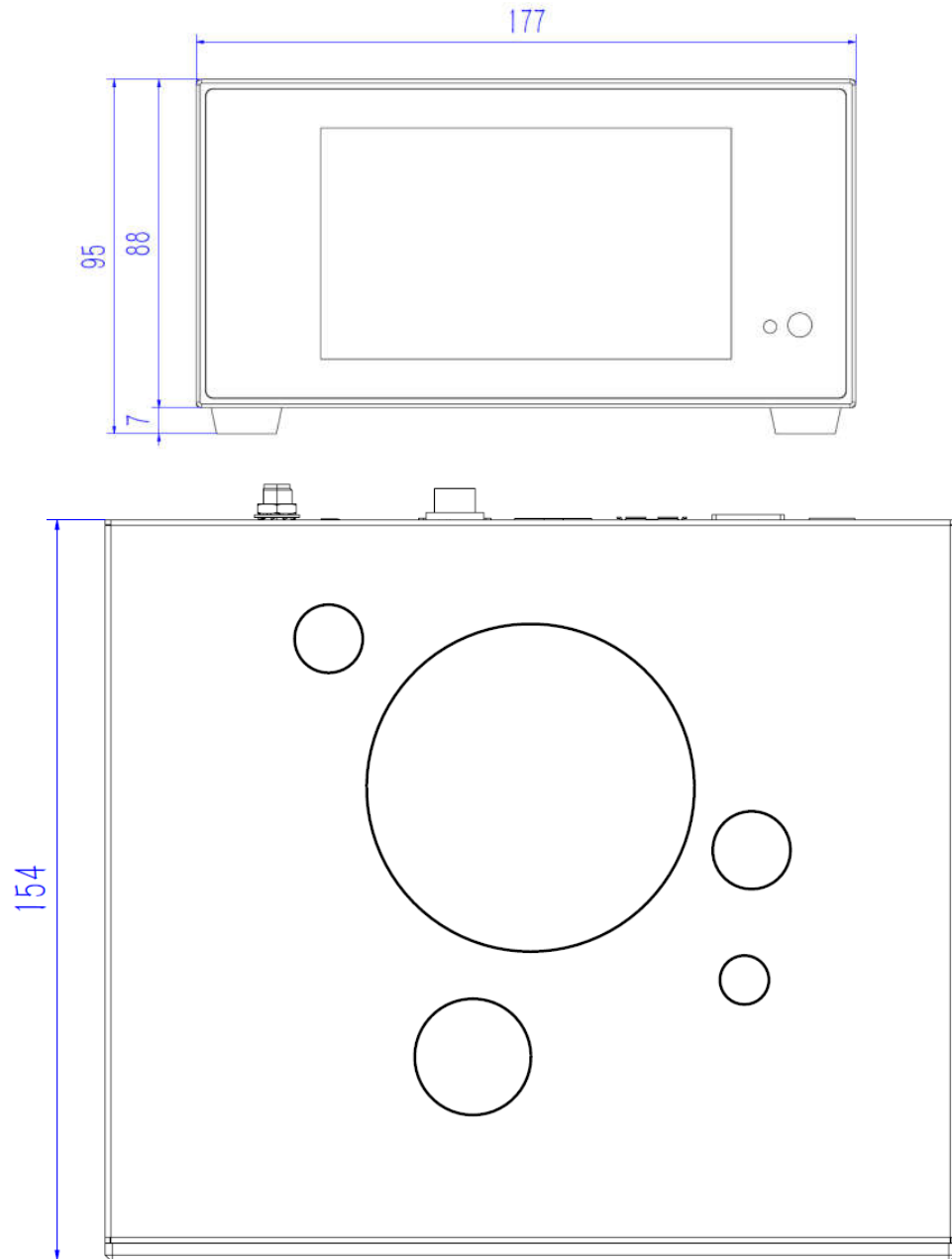
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Media server code

Bowan official code