

PRODUCT SPECIFICATION

2-in-1 Video Processor
HD-VP2060

V1.0

1. Overview

HD-VP2060 is a 2-in-1 video processor, which integrates traditional video processor and 20-way Gigabit network port output. This not only simplifies setting up the field environment, but also improves the reliability of the product. Support 6-channel signal interface input, which can be used for hotels, shopping malls, conference rooms, exhibitions, studios and other scenes that need to be played simultaneously. In addition, the device also supports point-to-point input/output, allowing the LED display to show a clearer picture.

2. Connection Diagram



3. Features

Input

- Maximum 4096 x 2160 @ 60Hz input resolution.
- 2-channel 4K input: 1 x DP 1.2, 1 x HDMI 2.0.
- 2-channel 2K input: 4 x HDMI 1.3.
- Support 1-channel TRS 3.5mm standard dual-channel audio input and HDMI/DP audio input.

Output

- Support six-window free layout, 3x4K or 2x4K+4x2K or 6x2K.
- Maximum control of 13.1 million pixels, horizontal support up to 16384 pixels, vertical support up to 8192 pixels.
- Standard 20-channel Gigabit network port, directly cascaded to the receiving card.
- 1-channel TRS 3.5mm standard dual-channel audio output.

Function

- Video signal arbitrary switching, cropping, scaling.
- Support for the maximum six-window display, support for any layout of the screen.
- Support for 16 scene presets and call.
- Support for brightness, key lock function.
- Support for docking center control.
- Supports brightness and key locking function.
- Supports docking center control equipment.
- Supports infrared remote control (optional).

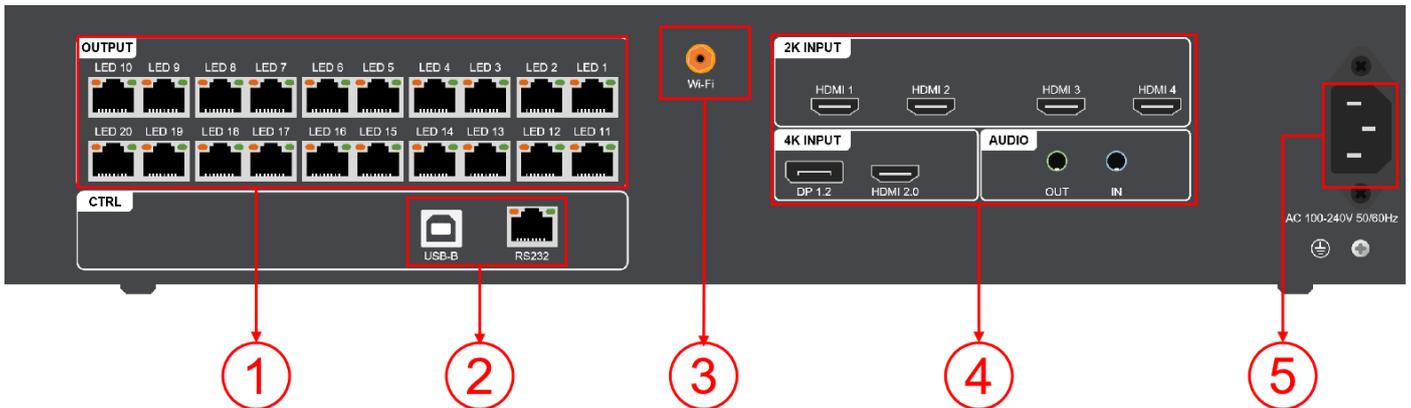
4. Appearance

Front panel:



Key Description		
No.	Key	Description
1	Switch	Control AC Power Input
2	LCD screen	Display menu, screen parameters and other information, used for debug device
3	IR&MIC	IR: Infrared remote control receiver (optional) MIC: Microphone voice input (optional)
4	MENU	Press the knob to enter a sub-menu or confirm a selection Rotate the knob to select a menu item or adjust a parameter
5	WIN1~WIN6	Select the screen windows that have been on Function key, key multiplexing function is digital selection, generally used when setting the resolution
	ESC	Exit/Return key
	MODE	Quickly call up the preset mode call menu
	BLACK	One-click black screen button
6	SOURCE	Input signal selection area Function key, key multiplexing function is digital selection, generally used when setting the resolution

Rear Panel:



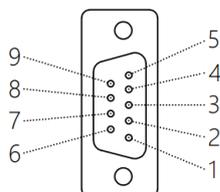
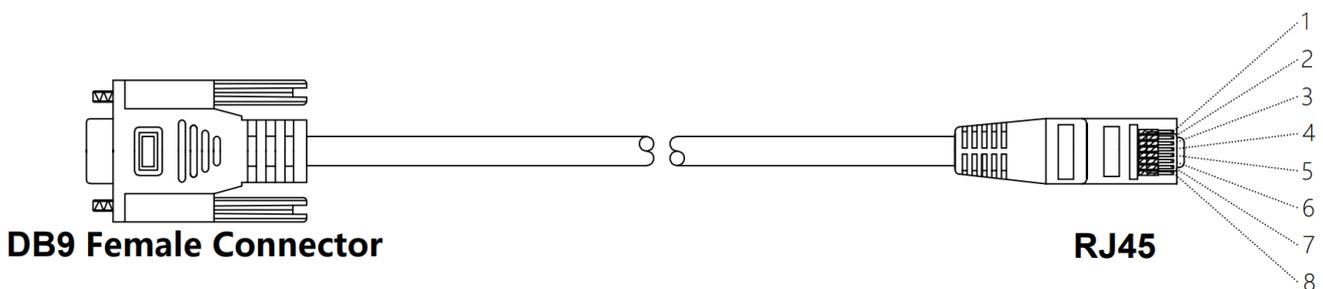
Input interface			
No.	Name	Quantity	Description
4	DP 1.2	1	DP input interface Interface form: DP Signal standard: DP1.2 backward compatible Resolution: VESA standard, Maximum resolution 4096x2160@60Hz; Minimum resolution 1920*1080@60Hz EDID management: support for preset resolution, support for customized input resolution Support audio input
5	HDMI 2.0	1	HDMI2.0 input interface Interface form: HDMI-A Signal standard: HDMI 2.0 backward compatible Resolution: VESA standard, Maximum resolution 4096x2160@60Hz; Minimum resolution 1920*1080@60Hz EDID management: support for preset resolution, support for customized input resolution Support audio input
	HDMI 1-4	4	HDMI1.3 input interface x 4 (HDMI1~4) Interface form: HDMI-A Signal standard: HDMI 1.3 backward compatible Resolution: VESA standard, Maximum resolution 1920x1200@60Hz; Minimum resolution 800x600@60Hz EDID management: support for preset resolution, support for customized

			input resolution
			Support audio input
	AUDIO IN	1	TRS 3.5mm two-channel audio input interface
	Power	1	AC100~240V, 50/60Hz

Output interface			
No.	Name	quantity	Description
1	Gigabit Ethernet port	20	Used for cascading receiving cards to transmit RGB data stream The control range of each network port is 650,000 pixels Supports docking of multi-function cards
4	AUDIO OUT	1	TRS 3.5mm dual channel audio output port Connect audio power amplifier for high-power audio external amplifier

Control interface			
No.	Name	Quantity	Description
2	USB-B	1	Connect to the PC, used for debug LED controller
	RS232	1	RJ45 interface, docking center control device
3	4G	1	For connecting 4G antenna (optional)
	Wi-Fi	1	Connect to Wi-Fi antenna to enhance wireless signal

* The schematic diagram of the RJ45 to DB9 connection cable is as follows. It is optional. If you need it, please contact Huidu sales or technical support engineer in advance.



Line Ordering:

DB9 female connector

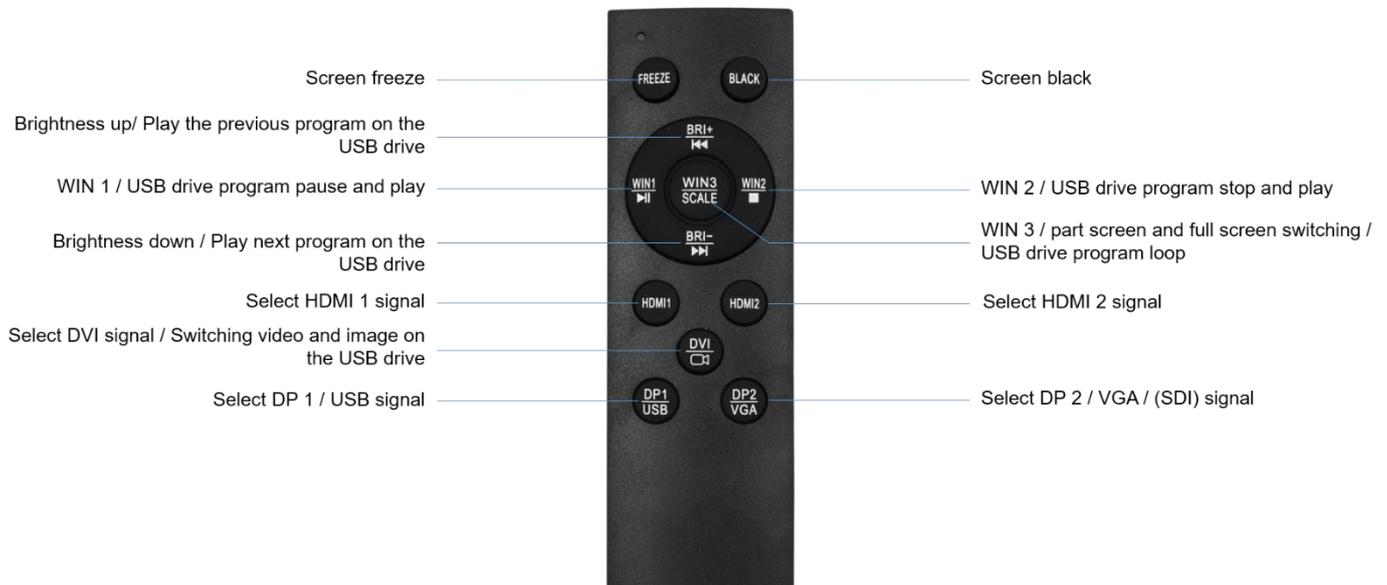
RJ45 connector

2-RX TX-1(Red)

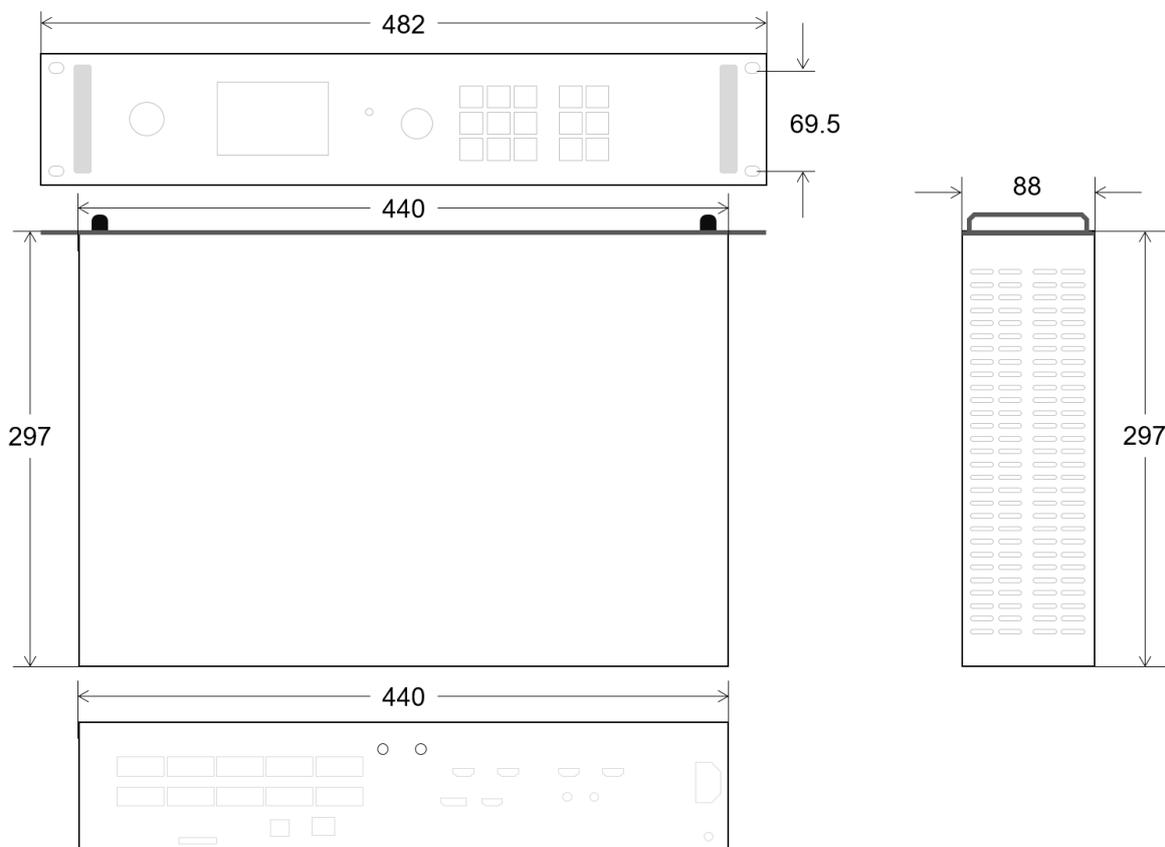
3-TX RX-2(Blue)

5-GND GND-3(Black)

* The remote control is shown below, it is optional, if you need it, please contact Huidu sales or technical support engineer in advance.



5. Dimension



6. Basic Parameters

Item	Parameter value	
Chassis Specifications	2U standard	
Electrical Specifications	Rated Voltage(V)	AC 100-240V
	Power consumption	85W
Working Environment	Working Temperature(°C)	-20°C~50°C
	Working Environment Humidity(%RH)	20%RH~90%RH (non-condensing)
Storage Environment	Storage Temperature(°C)	-20°C~60°C
	Storage Environment Humidity (%RH)	10%RH~95%RH (non-condensing)
Equipment Specifications	Sizes	W×H×D/482mm×88mm×297mm
	Net Weight	5.2KG
Packing Specification	Packing Size	W×H×D/515mm×82mm×355mm
	Packing Size	6.9KG

Illustrate:

- There may be slight differences between the product pictures in the specification and the physical appearance. If you have any questions, please contact the technical support or salesperson for confirmation.