

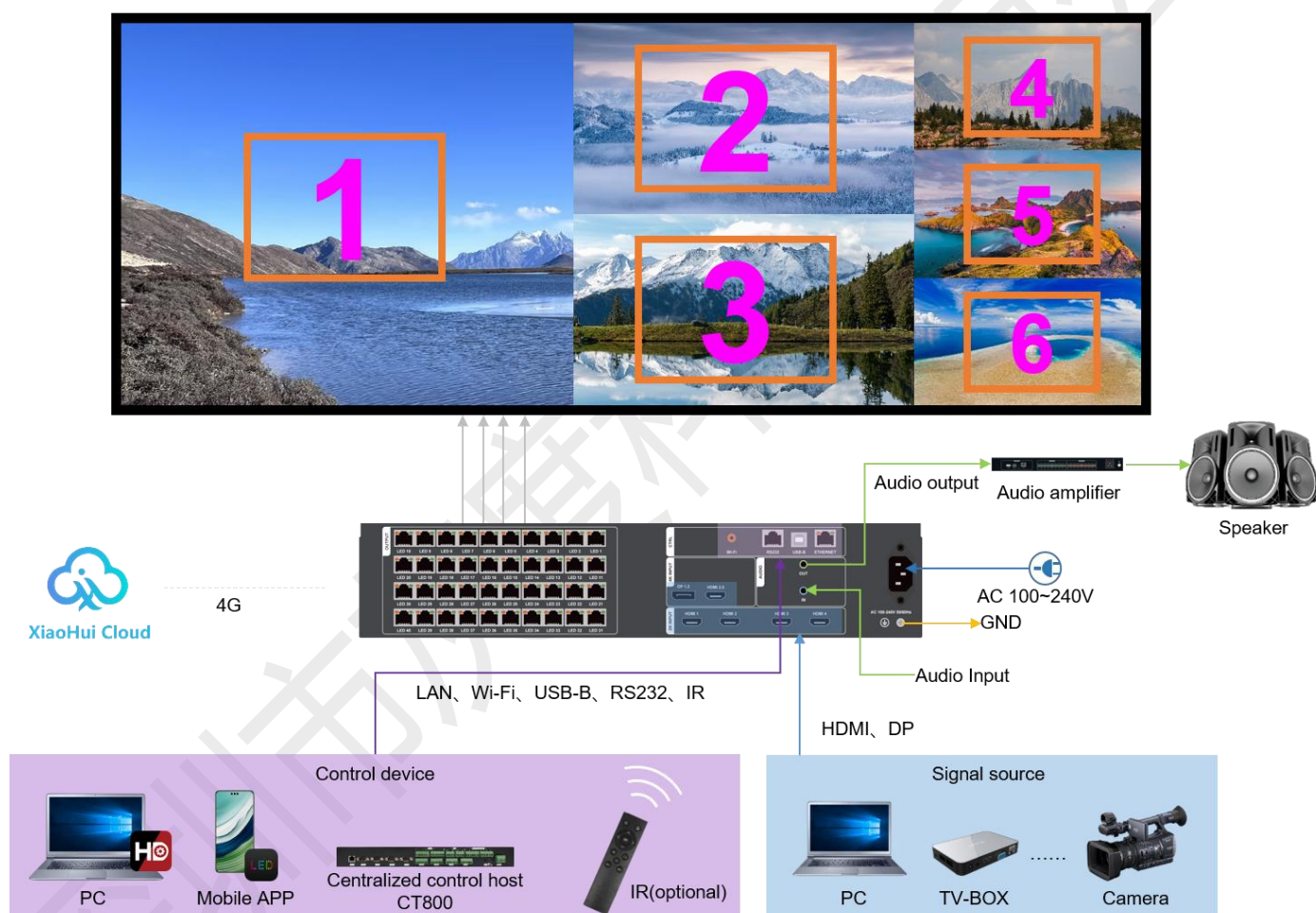
PRODUCT SPECIFICATION

Two-in-one Video Processor
HD-VP4060

1. System Overview

HD-VP4060 is a two-in-one video processor that integrates a traditional video processor and 40 -channel Gigabit Ethernet output. It not only simplifies the on-site environment construction, but also improves the reliability of the product. It supports 6- channel synchronous signal input and can be used in various occasions that require synchronous playback, such as hotels, shopping malls, conference rooms, exhibitions, studios, etc. In addition, the device also supports point-to-point input/output, allowing the LED display to display clearer images.

2. Connection Diagram



3. Product Features

Input

- Supports up to 4096*2160 @60Hz synchronous signal input ;
- Supports 4-channel HDMI 1.3, 1-channel HDMI 2.0, and 1-channel DP signal input, and can switch multiple video signals at will;
- Supports 1-way TRS 3.5mm standard dual-channel audio input and HDMI/DP audio input.

Output

- Supports free layout of six screens, and supports a maximum of 3×4K or 2×4K+4×2K windows ;
- Standard 40-channel Gigabit Ethernet port, cascaded with receiving card;
- The maximum control is 26 million pixels, the maximum horizontal support is 32768 pixels, and the maximum vertical support is 32768 pixels ;
- 1 TRS 3.5mm standard two-channel audio output.

Functions

- Video signals can be switched, cropped, and scaled at will;
- Support 16 scene presets and calls ;
- Support brightness adjustment and key lock functions ;
- Support pixel-to-pixel display and limited to full conversion;
- Support RS232 serial port protocol control and docking with central control equipment;
- Support LAN port debugging;
- Support EDID import;
- Support mobile phone APP wireless control;
- Support Wi-Fi Station mode, AP mode, Wi-Fi Station + AP mode;
- Support infrared remote control (optional).

4. Appearance Description

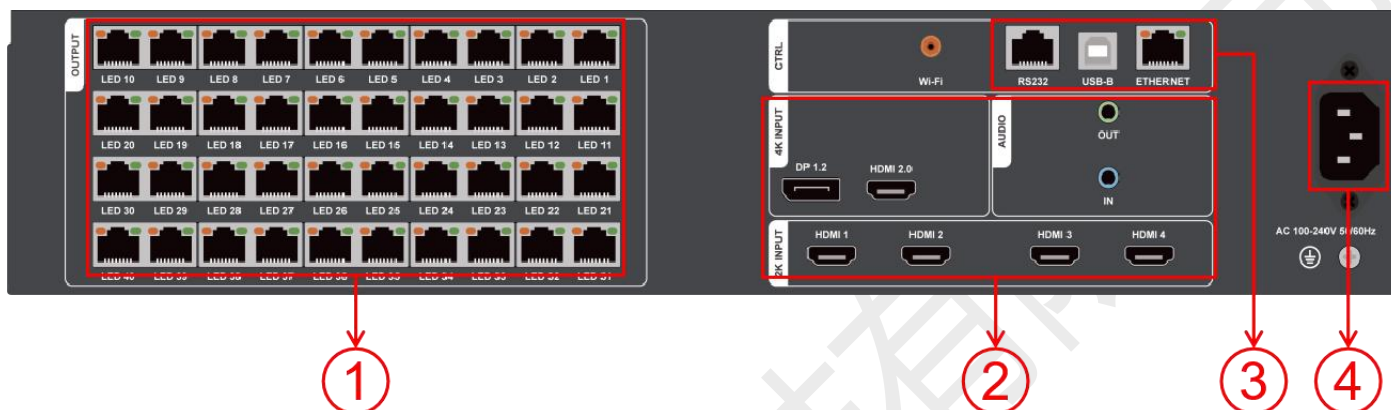
Front Panel:



Key Description		
Serial number	button	illustrate
1	Power switch	Control AC power input
2	LCD display screen	Debug display menu, screen parameters and other information
3	IR&MIC	IR: infrared remote control receiver (optional) MIC: Microphone voice input (optional)
4	MENU knob	Press the knob to enter a submenu or confirm a selection. Rotate the knob to select a menu item or adjust a parameter.
5	WIN1~WIN6	Select an open window Function key: The key multiplexing function is digital selection, generally used when setting the resolution
	ESC	Exit key /Back key
	MODE	Quickly call up the preset mode call menu
	BLACK	One-touch black screen button
6	DP1.2	Select DP signal to play Function key: The key multiplexing function is digital selection, generally used when setting the resolution
	HDMI2.0	Select HDMI 2.0 signal playback Function key: The key multiplexing function is digital selection, generally used when setting the resolution
	HDMI1	Select HDMI 1 signal playback Function key: The key multiplexing function is digital selection, generally used when setting the resolution
	HDMI2	Select HDMI 2 signal playback Function key: The key multiplexing function is digital selection, generally used when setting the resolution

		used when setting the resolution
	HDMI3	Select HDMI 3 signal playback
	HDMI4	Select HDMI 4 signal playback

Rear Panel:



Input Interface			
Serial number	Interface Name	quantity	illustrate
2	DP1.2	1	1× DP1.2 input - Maximum input resolution: 4096×2160@60Hz, minimum input resolution: 800×600@60Hz, maximum pixel clock 600MHz - Custom resolution: - Maximum width: 8192 (8192×1080@60Hz) - Maximum height 7680 (1080× 7680 @60Hz) - independent EDID setting management, using EDID V1.3 standard - audio input - Don't support HDR - Don't support interlaced signal input

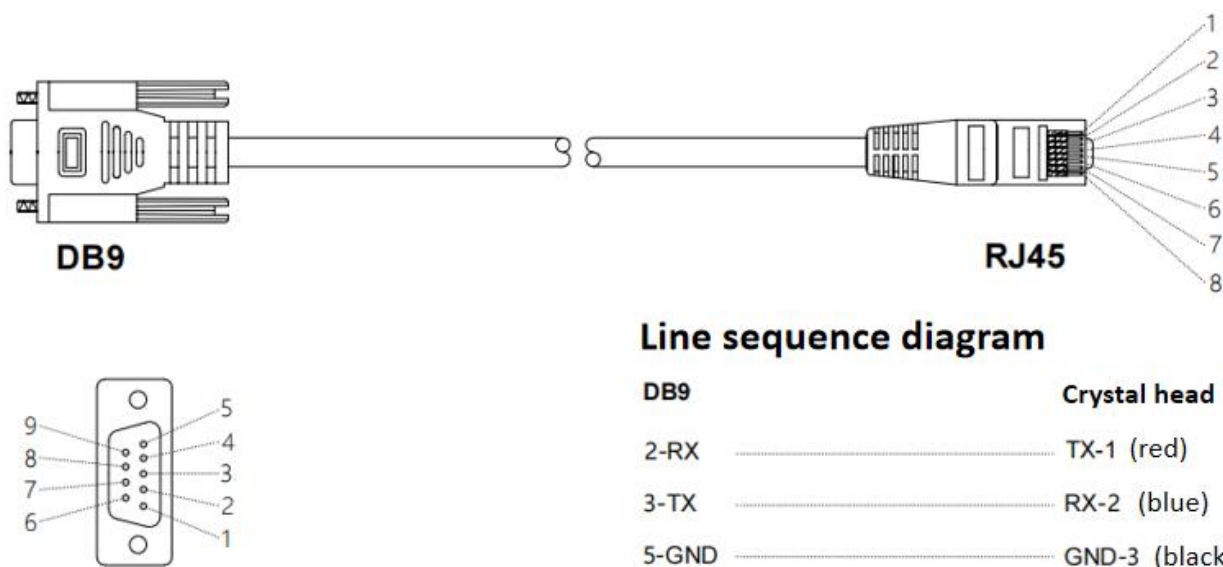
	HDMI2.0	1	1×HDMI2.0 input, backward compatible with HDMI1.4 and HDMI1.3 - Maximum input resolution: 4096×2160@60Hz, minimum input resolution: 800×600@60Hz, maximum pixel clock 600MHz - Custom resolution: Maximum width: 8192 (8192×1080@60Hz) Maximum height 7680 (1080× 7680 @60Hz) - independent EDID setting management, using EDIDV1.3 standard - audio input - Support HDCP - Don't support HDR - Don't support interlaced signal input
	HDMI 1-4	4	4× HDMI1. 3 inputs - Maximum resolution: 1920×1200@60Hz, minimum input resolution: 800×600@60Hz, maximum pixel clock 165MHz - Custom resolution: Maximum width 2048 (2048 × 1024 @60Hz) Maximum height 2048 (1024 × 2048 @60Hz) - independent EDID setting management, using EDIDV1.3 standard - HDCP1.3 , backward compatible - Support audio input - Don't support interlaced signal input
	AUDIO IN	1	TRS 3.5mm dual channel audio input interface
4	power supply	1	AC 100 ~ 240V 50/60Hz

Output Interface

Serial number	Interface Name	quantity	illustrate
1	Gigabit Ethernet	40	Used for cascading receiving cards to transmit RGB data streams; each network port controls 650,000 pixels Support docking multi-function card
2	AUDIO OUT	1	TRS 3.5mm dual channel audio output interface Connect to an audio amplifier for high-power external speakers

Control interface			
Serial number	Interface Name	quantity	illustrate
3	Wi-Fi antenna interface	1	Connect a Wi-Fi antenna to enhance Wi-Fi signal
	RS232	1	RJ45 interface, for connecting to central control equipment
	USB-B	1	Connect to a computer for debugging the device
	ETHERNET	1	Connect to LAN for debugging equipment

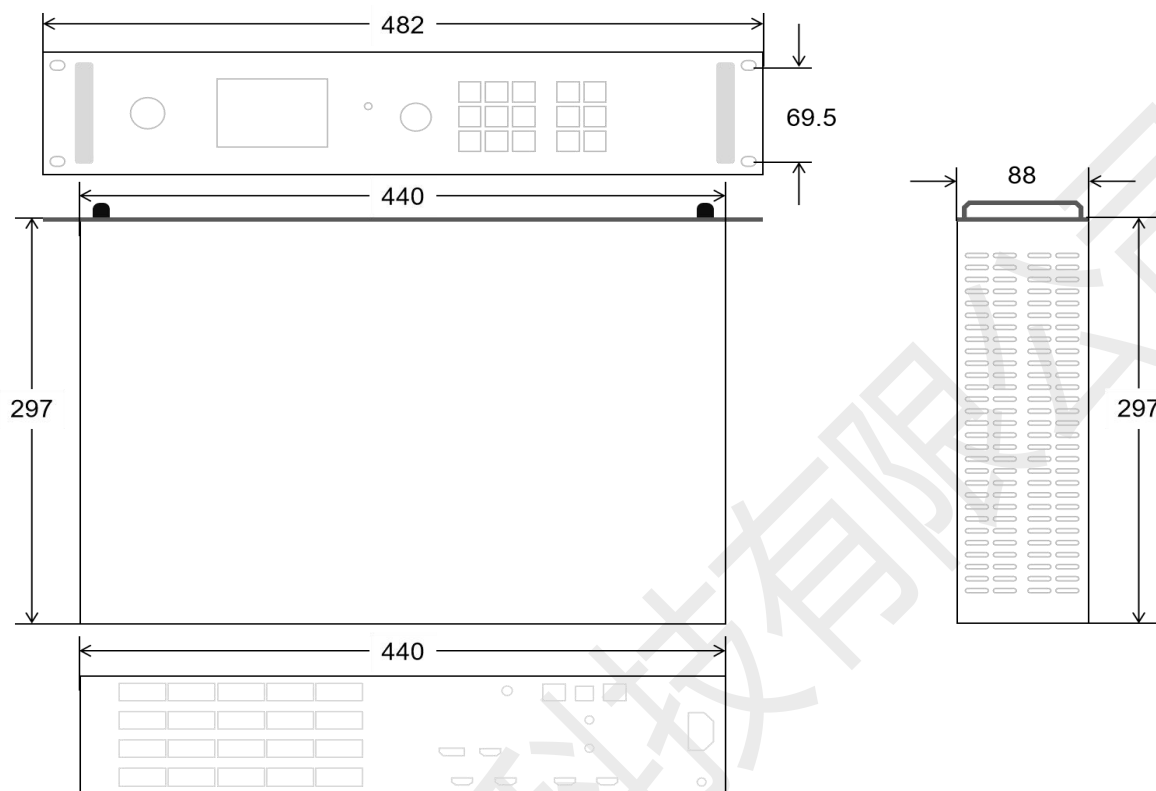
* The RJ 45 to DB9 cable diagram is as follows. It is optional. If you need it, please contact Grayscale sales or technical support in advance.



* The remote control diagram is as follows. It is optional. If you have any needs, please contact Grayscale sales or technical support in advance.



5. Dimensions



6. Basic Parameters

Parameters		Parameter Value
Chassis specifications		2 U Standard
Electrical specifications	power supply	AC 100~240V 50/60Hz
	Power consumption	130W
Work Environment	Operating temperature (°C)	-20 °C ~ 50 °C
	Operating humidity (RH)	20%RH~90%RH (no condensation)
Storage environment	Storage temperature (°C)	-20 °C ~60 °C

	Storage humidity (RH)	10%RH~95%RH (no condensation)
Equipment Specifications	size	W × H × D/482mm × 88mm × 297mm
	net weight	6.1 kg
Packing specifications	Packing size	W × H × D/5 08 mm × 154 mm × 3 90 mm
	Packing weight	7.7 kg
Packing List	HD-VP4060	1PCS
	Power Cable	1PCS
	USB Cable	1PCS
	DP Cable	1PCS
	HDMI Cable	2PCS
	Wi-Fi ANT	1PCS
	Certificate	1PCS

Illustrate:

Welcome to choose Huidu Technology products. There may be slight differences between the product pictures in the specification and the actual appearance (including the number of holes in the product size diagram, etc.). If you have any questions, please contact technical support or salesperson for confirmation.