

PRODUCT SPECIFICATION

Two-in-One Video Processor **HD-VP620A**



1. System Overview

HD-VP 620A is a two-in-one video processor that integrates a traditional video processor and 6 -way Gigabit Ethernet output. It not only simplifies the on-site environment construction, but also improves the reliability of the product. It supports 5- way 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 2-channel HDMI, 1-channel DP, 1-channel DVI, and 1-channel VGA signal input, and can switch multiple video signals at will;
- Supports 1-way TRS 3.5mm standard two-channel audio input and HDMI/DP audio input.

Output

- Supports two-screen layout, maximum support 2×4K windows;
- Standard 6-channel Gigabit Ethernet port, cascaded with receiving card;
- The maximum control is 3.9 million pixels, the maximum horizontal support is 8192 pixels, and the maximum vertical support is 4000 pixels;
- 1 TRS 3.5mm standard two-channel audio output.

Function

- Video signals can be switched, cropped, and scaled at will;
- Support 16 scene presets and calls;
- Support brightness adjustment, color temperature adjustment and key lock functions;
- Support arbitrary overlapping of network ports and non-rectangular load;
- Support point-to-point display and limited to full conversion;
- Support RS232 serial port protocol control and docking with central control equipment;
- Support Wi -Fi Station mode, AP mode, Wi-Fi Station + AP mode;
- Support mobile phone APP wireless control;
- Support infrared remote control (optional).



4. Appearance Description

Front Panel:

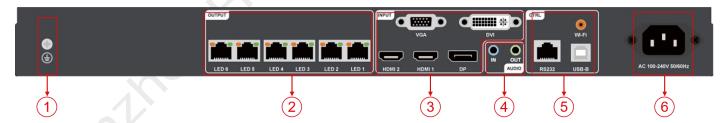


Key Descriptio	n	<u></u>
Serial number	button	illustrate
1	Power switch	Control AC power input
2	LCD display screen	Debug display menu, screen parameters and other information
3	IR (infrared) remote control receiver	Infrared remote control receiver
4	MENU knob	Press the knob to enter a submenu or confirm a selection Rotate the knob to select menu items or adjust parameters
5	ESC	Exit key /Back key
	WIN1~WIN2	Select an open window Function key: The key multiplexing function is digital selection, generally used when setting the resolution Select HDMI 1 signal playback Function key: The key multiplexing function is digital selection, generally used when setting the resolution
6	HDMI2	Select HDMI 2 signal playback Function key: The key multiplexing function is digital selection, generally used when setting the resolution
	DP	Select DP signal to play Function key: The key multiplexing function is digital selection, generally used when setting the resolution



		Select DVI signal playback
	DVI	Function key: The key multiplexing function is digital selection,
		generally used when setting the resolution
	VGA	Select VGA signal playback
		Quickly call up the preset mode call menu
	MODE	Function key: The key multiplexing function is digital selection,
		generally used when setting the resolution
		click freeze button
	FREEZE	Function key: The key multiplexing function is digital selection,
		generally used when setting the resolution
		One-touch black screen button
	BLACK	Function key: The key multiplexing function is digital selection,
		generally used when setting the resolution
		Quickly enter the two- screen layout menu
	PXP	Function key: The key multiplexing function is digital selection,
		generally used when setting the resolution
	BRIGHT	Quickly call out the brightness setting button

Rear Panel:



Input Interface			
Serial number	Interface Name	quantity	illustrate
9,	DP1.2	1	DP input interface
3			Interface type: DP
			Signal standard: DP1.2 backward compatible
			Resolution: VESA standard, ≥720×480@60Hz, ≤4096×



			2160@60Hz
			Support audio input
			HDMI 2.0 input interface × 1 (HDMI 1)
			Interface type: HDMI-A
			Signal standard: HDMI 2.0 backward compatible
		2	Resolution: VESA standard, ≥800×600@60Hz, ≤4096×
			2160@60Hz
	HDMI1~2		Support audio input
	TIDIWITI Z		HDMI 1.4 input interface × 1 (HDMI 2)
			Interface type: HDMI-A
			Signal standard: HDMI 1.4 backward compatible
			Resolution: VESA standard, ≥800×600@60Hz, ≤
			4096x2160@30Hz
			Support audio input
	DVI		DVI input interface
			Interface type: DVI-I socket
			Signal standard: DVI1.0, HDMI1.3 backward compatible
			Resolution: VESA standard, ≥800×600@60Hz, ≤1920×
			1200@60Hz
	100		VGA input
			Interface type: DB15 socket
			Signal standard: R, G, B, Hsync, Vsync: 0 to1Vpp±3dB (0.7V
C	VGA	1	Video+0.3v Sync)
			75 ohm black level: 300mV Sync-tip: 0V
			Resolution: VESA standard, ≥720×480@60Hz, ≤1920×
			1080@60Hz
4	AUDIO IN	1	TRS 3.5mm dual channel audio input interface



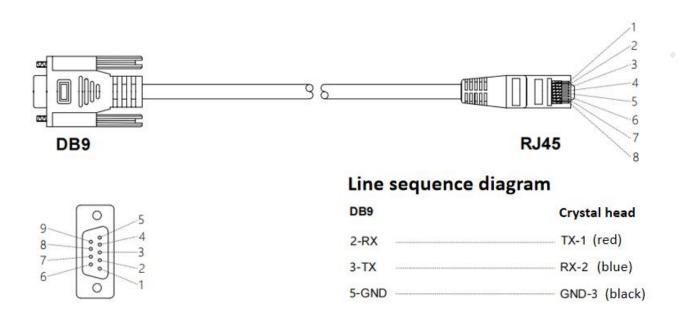
6	power supply	1	AC 100 ~ 240V 50/60Hz
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Output Interface			
Serial number	Interface Name	quantity	illustrate
1	Grounding interface	1	Anti-static/leakage protection, personal safety protection and equipment normal operation protection
2	Gigabit Ethernet	6	Used for cascading receiving cards, transmitting RGB data stream, each network port controls 650,000 images, supports docking multi-function cards
4	AUDIO OUT	1	TRS 3.5mm dual-channel audio output interface Connect to an audio amplifier for high-power external speakers

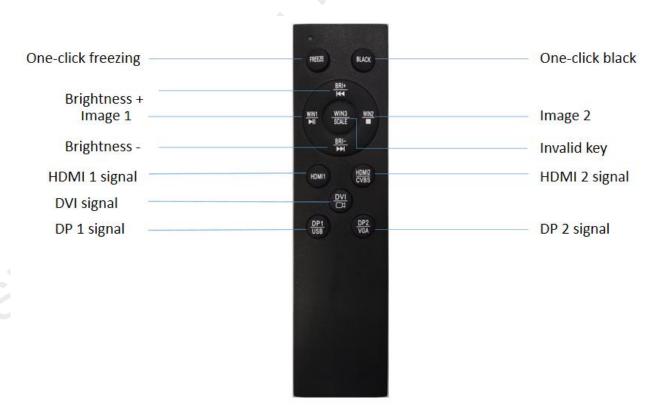
Control interface			
Serial number	Interface Name	quantity	illustrate
	RS232	1	R J45 interface, connected to the central control device
5	USB-B	1	Connect to a computer for debugging the device
	Wi-Fi antenna interface	1	Connect the Wi-Fi antenna, , enhance Wi-Fi signal
Shenthein			



* 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.

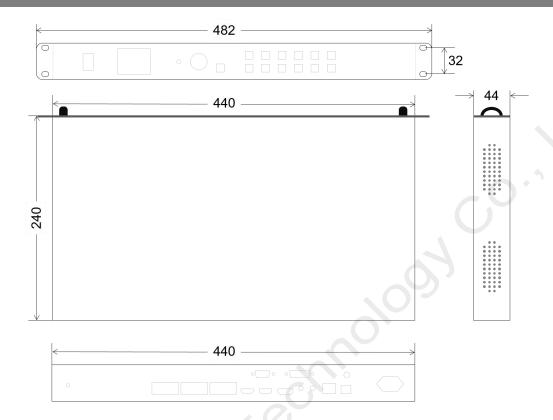


* The remote control diagram is as follows. It is optional. If you have any needs, please contact Grayscale sales or technical support in advance.





5. Product size





6. Basic parameters

Parameters		Parameter Value		
Chassis specifications		1U Standard		
Electrical	power supply	AC 100~240V 50/60Hz		
specificatio	Power	50W		
ns	consumption	50VV		
	Operating			
Work Environmen	temperature (°C)	-20 ℃ ~55 ℃		
t	Operating humidity (RH)	20%RH~90%RH (no condensation)		
	Storage			
Storage Environmen	temperature (°C)	-20 ℃ ~60 ℃		
t	Storage humidity (RH)	10%RH~95%RH (no condensation)		
Equipment	size	W×H×D/482mm×44mm×240mm		
Specificatio ns	net weight	2.9kg		
Packing Packing size		W×H×D/ 515mm×82mm×355mm		
specificatio ns	Packing weight	4 kg		
	HD-VP620A	1PCS		
	USB Cable	1PCS		
Packing List	HDMI Cable	1PCS		
	DVI Cable	1PCS		
	Power Cable	1PCS		
	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 drawing, etc.). If you have any questions, please contact technical support or salesperson for confirmation.