



# Product Specification

## All-in-One Video Processor HD-VP410A

V3.1

## 1. Overview

HD-VP410A is a 3-in-1 video processor, which integrates traditional video processor and 4-way Gigabit network port output. Support 4-channel signal interface input and 1-channel USB 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, so that the LED display shows a clearer picture.

## 2. Connection Diagram



## 3. Features

### Input

- Support 1\*HDMI, 1\*DVI, 1\*VGA, 1\*CVBS signal input, and it support switch at will.
- 1 channel USB input, support direct playback of videos and pictures in various mainstream formats under the root directory of the U disk, and the maximum support is 1080P HD video playback.
- 1 channel TRS 3.5mm audio input and HDMI audio input.

### Output

- Standard 4-way Gigabit network output, direct cascade receiving card.
- The maximum loading capacity is 2.6 million pixels, the maximum width is 3840 pixels, and the maximum high is 1920 pixels.
- 1 channel TRS 3.5mm audio output.

### Function

- Equipped with Wi-Fi, support mobile APP wireless operate.
- Support brightness setting.
- Preset saving and calling of scenarios, support saving 8 user templates.

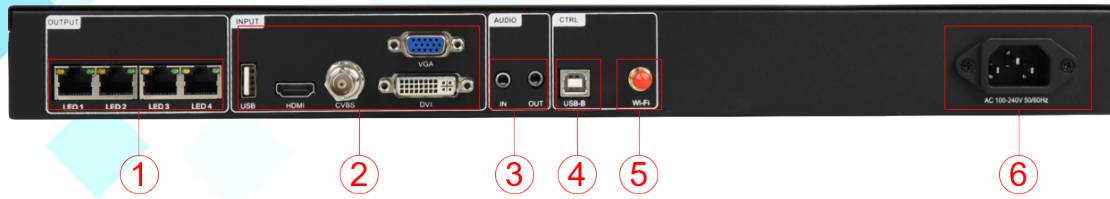
## 4. Appearance

Front panel:



Key Description		
No.	Key	Description
1	Switch	AC power input switch
2	LCD screen	Display menu, screen parameters and other information, used for debug device
3	Turn the knob	Rotate to select, key to confirm
4	ESC	Escape key / Return key
5	SCALE	Partial/Full screen toggle button
6	DVI	Select DVI signal / Play the last U-disk program
7	VGA	Select VGA signal / Play the next U disk program
8	CVBS	Select CVBS signal
9	HDMI	Select HDMI signal / U-disk program pause and play
10	USB	Select to play U-disk program / U-disk program stops playing
11	EXT	One-click frozen



**Rear Panel:**


Input interface			
No.	Name	quantity	Description
2	USB	1	USB2.0 input interface Support insert U disk to play video, picture Video file formats: mp4, avi, mpg, mkv, mov, vob and rmvb. Video encoding: MPEG4 (MP4), MPEG_SD/HD, H.264 (AVI, MKV), FLV. Image file formats: jpg, jpeg, png and bmp
	HDMI	1	HDMI input interface Interface form: HDMI-A Signal standard: HDMI 1.3 backward compatible Resolution: VESA standard, $\leq 1920 \times 1080 @ 60\text{Hz}$
	CVBS	1	Signal standard: PAL/NTSC 1Vpp $\pm 3\text{db}$ (0.7V Video+0.3v Sync ) 75 ohm Resolution: 480i,576i
	DVI	1	Interface form: DVI-I socket Signal standard: DVI1.0 Resolution: VESA standard, PC to 1920x1200, HD to 1080p
	VGA	1	Signal standard: R, G, B, Hsync, Vsync: 0 to1Vpp $\pm 3\text{dB}$ (0.7V Video+0.3v Sync) 75 ohm black level: 300mV Sync-tip: 0V Resolution: VESA Standard, $\leq 1920 \times 1080\text{p} @ 60\text{Hz}$
3	AUDIO IN	1	TRS 3.5mm audio input
6	Power	1	AC input interface 100-240V, 50/60Hz

Output interface			
No.	Name	quantity	Description
1	LAN output	4	Gigabit Ethernet port Transmission speed 1Gbps, used for cascading receiving cards, transmitting RGB data stream. One Gigabit Ethernet port support loading capacity 655,360 pixels.
3	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
4	USB-B	1	Connect to the PC, used for debug LED controller
5	Wi-Fi	1	Connect to Wi-Fi antenna to enhance wireless signal

## 5. Dimension



## 6. Basic Parameters

Item	Parameter value
Rated Voltage(V)	AC 100-240V
Working Temperature(°C)	-20°C~55°C
Working Environment Humidity(%RH)	20%RH~90%RH
Storage Environment Humidity (%RH)	10%RH~95%RH

### Illustrate:

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

### Version Description

V3.1: Update known bugs; layout optimization, easier to read.