

# Product Specification

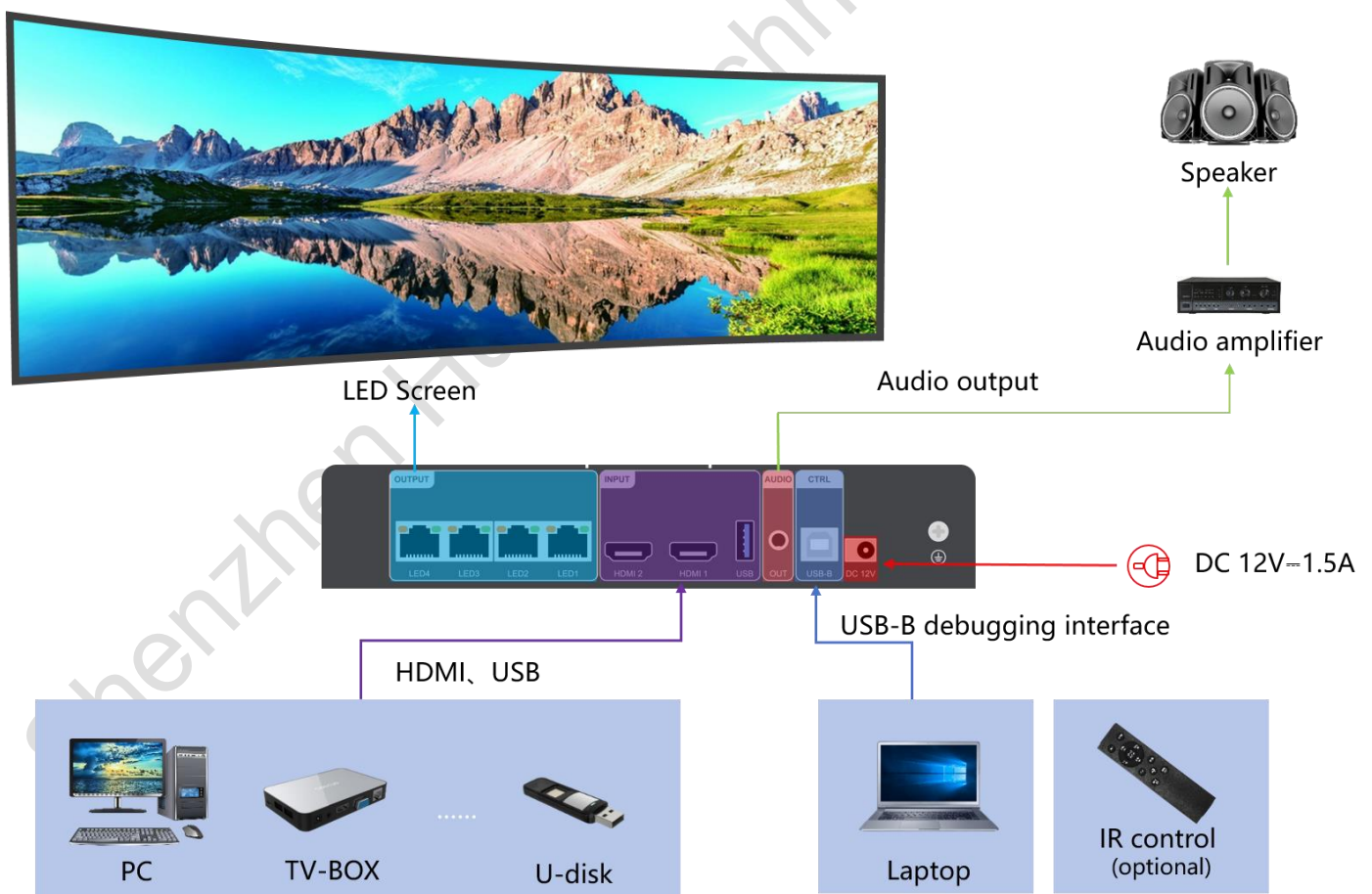
All-in-one LED Controller

**HD-KV410**

# 1. System Overview

HD-KV410 is a three-in-one video processor that integrates traditional video processor, 4-way Gigabit network port output, and U-disk playback functions. It not only simplifies the construction of the on-site environment, but also improves the reliability of the product. It supports 2 channels of synchronous signal input and 1 channel of USB input, and can be used in hotels, shopping malls, conference rooms, exhibitions, studios and other occasions that require synchronous playback; in addition, the device also supports point-to-point input/output to allow the LED display to display A clearer picture.

# 2. Connection Diagram



## 3. Product Features

### Input

- Supports 2 channels of HDMI, which can be switched at will;
- 1 channel USB input supports direct playback of videos and pictures in various mainstream formats in the root directory of the USB flash drive, and supports up to 1920×1080@30Hz high-definition video playback;
- Supports 2 channel HDMI audio input (choose one of two playback).

### Output

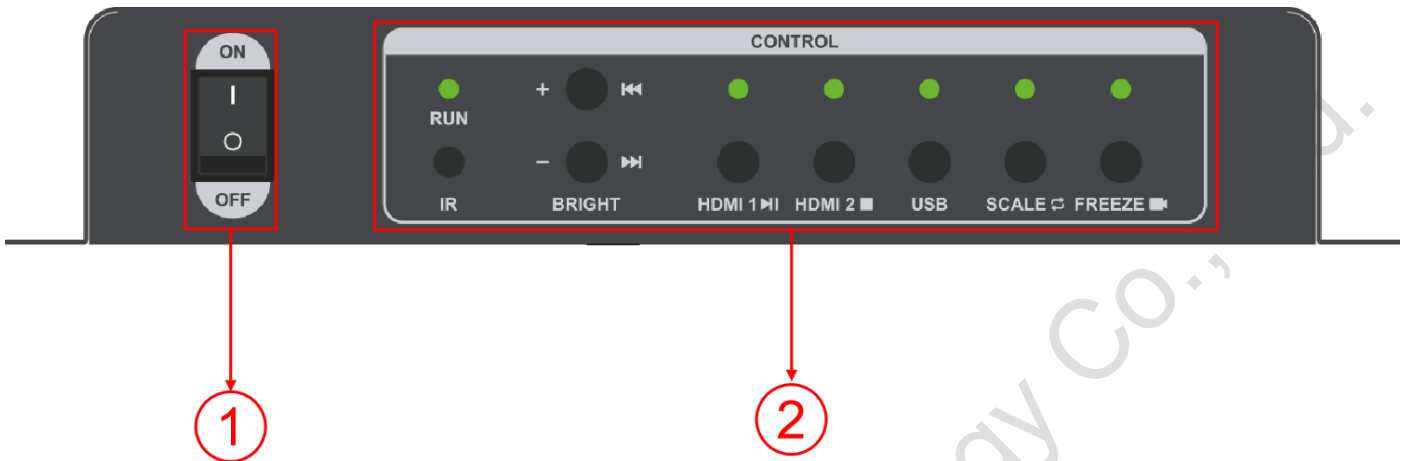
- Comes standard with 4-way Gigabit network ports, which can be directly cascaded to the receiving card;
- The maximum loading capacity is 2.6 million pixels, with a maximum width support of 3840 pixels or a maximum height support of 2500 pixels;
- 1 channel TRS 3.5mm standard two-channel audio output.

### Features

- Support limited transfer to complete;
- Support one-touch brightness adjustment;
- Supports locking buttons to prevent misuse of the display from causing abnormalities;
- Video signals can be switched, cropped, and zoomed arbitrarily;
- Support infrared remote control (optional).

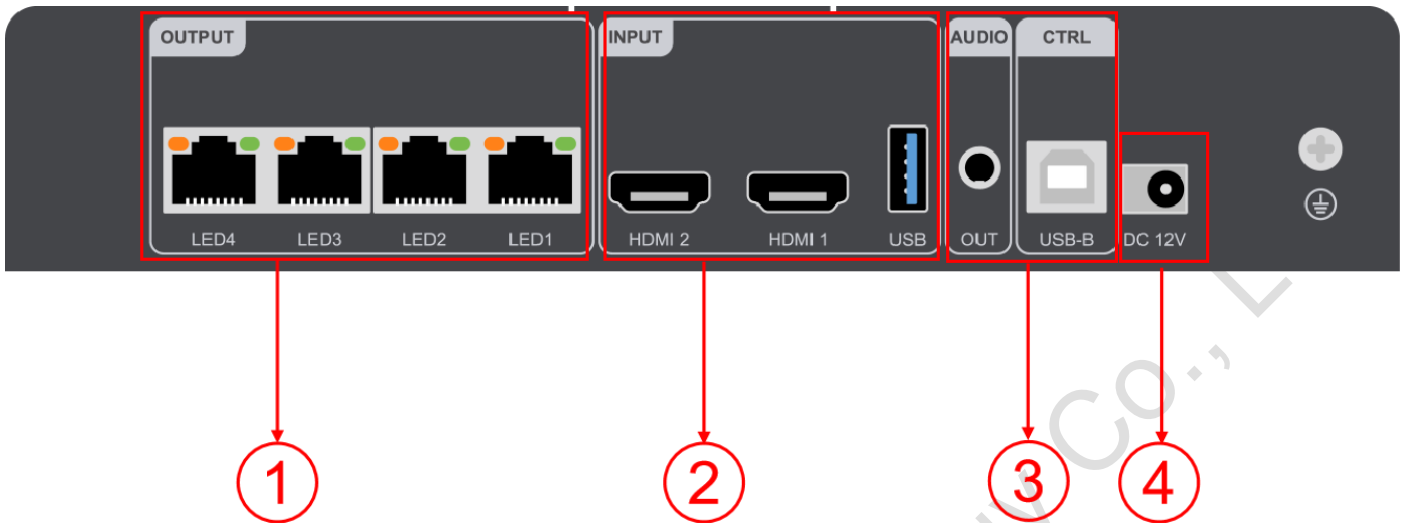
## 4. Appearance Description

Front panel:



Key Description		
No.	Button	Description
1	Power switch	Controls AC power input
2	RUN	Device running status indicator
	IR	Receive infrared remote control
	BRIGHT+	Brightness increases / Play the next program file in the U-disk
	BRIGHT-	Brightness decreases / Play the previous program file in the U-disk
	HDMI1	Select HDMI signal to play/Play the previous U-disk program
	HDMI2	Select HDMI signal to play/Play the next U-disk program
	USB	Select to play U disk program/Stop playing U-disk program
	SCALE	Partial/full screen switch button
	FREEZE	Freeze with one click / Video and image switching playback

**Rear panel:**

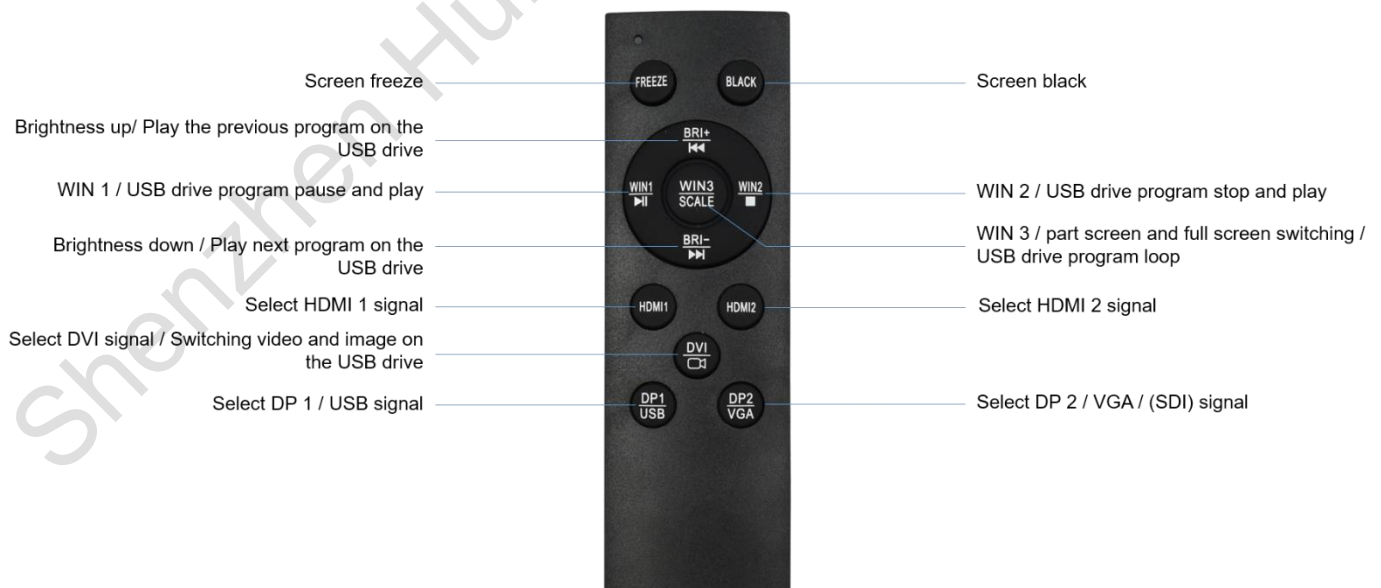


Input interface			
No.	Interface name	Quantity	Description
2	USB	1	USB2.0 input interface, adapted to USB3.0 U-disk can be inserted to play videos and pictures Video file formats: mp4, avi, mpg, mkv, mov, vob and rmvb; Video encoding: MPEG4 (MP4), MPEG_SD/HD, H.264 (AVI, MKV), FLV; Image file formats: jpg, jpeg, png and bmp Video resolution: maximum support 1920x1080@30Hz
	HDMI	2	HDMI input interface Interface form: HDMI-A Signal standard: HDMI1.4 backward compatible Resolution: VESA standard, ≤1920×1080p@60Hz Support audio input
4	Power supply	1	DC 12V=1.5A

Output Interface			
No.	Interface name	Quantity	Description
1	Gigabit network port	4	Used to cascade receiving cards to transmit RGB data streams; each network port controls a range of 655,360 pixels. Support docking multi-function card
3	AUDIO OUT	1	TRS 3.5mm two-channel audio output interface Connect to audio power amplifier for high-power audio external amplifier

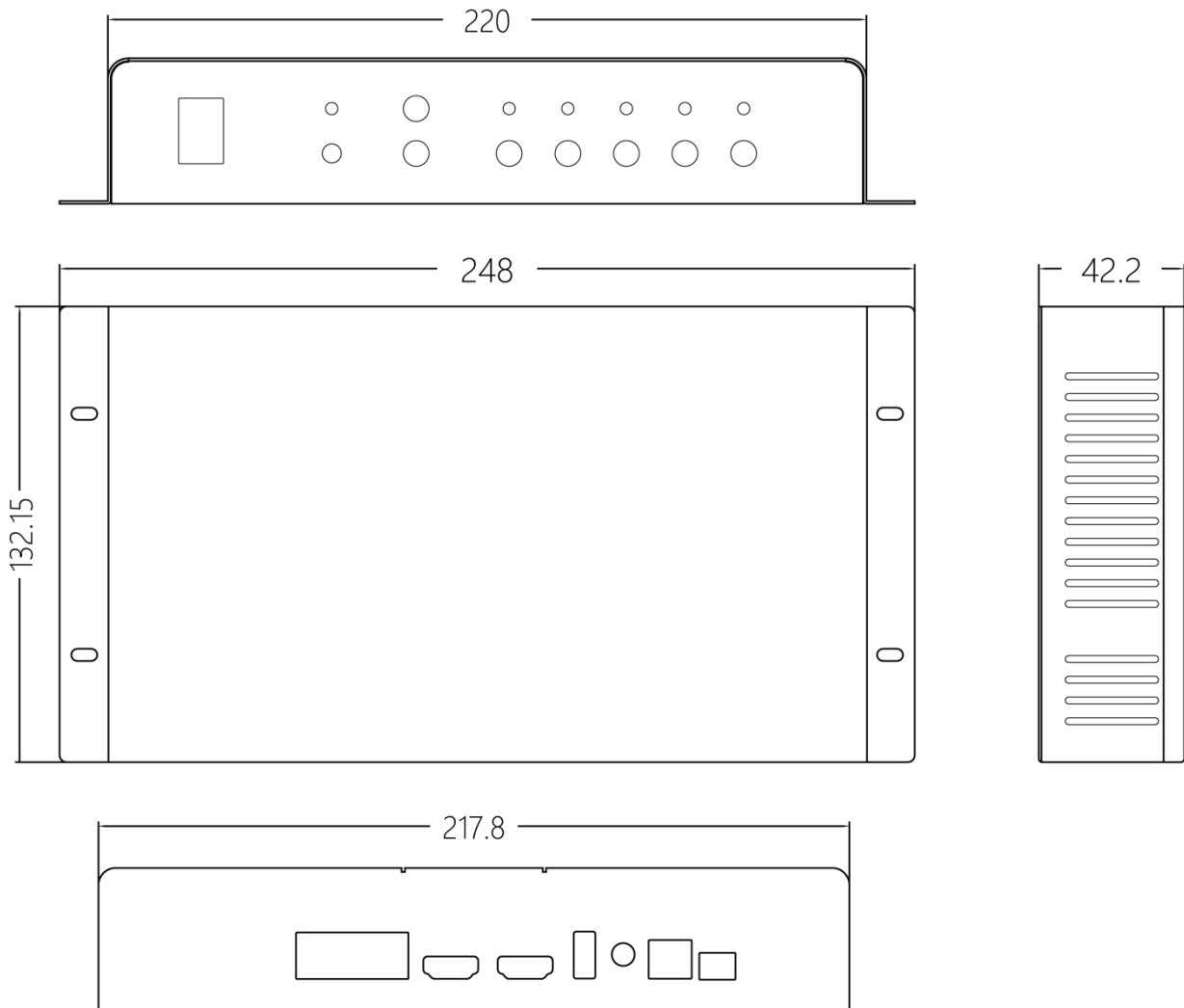
Control interface			
No.	Interface name	Quantity	Description
3	USB-B	1	Connect to computer for debugging equipment

\* The schematic diagram of the remote control is as follows. It is optional. If you need it, please contact Grayscale sales or technical support in advance.



## 5. Product Size

Unit: mm



Shenzhen

## 6. Basic Parameters

Parameter item		Parameter value
Chassis specifications		1U Mini
Electrical Specifications	Power supply	DC 12V=1.5A
	Power consumption	14W
Working environment	Working temperature (°C)	-20°C~55°C
	Working 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/248mm×42.2mm×132.15mm
	Net weight	0.7KG
Packing specifications	Packing size	W×H×D/307mm×79mm×290mm
	Packing weight	1.3KG

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Welcome to choose Huidu Technology products. There may be slight differences between the product pictures in the specifications 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.