

PRODUCT SPECIFICATION

All-in-one LED Controller

HD-KV210

1. System Overview

HD-KV210 is a three-in-one video processor that integrates traditional video processor, 2-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

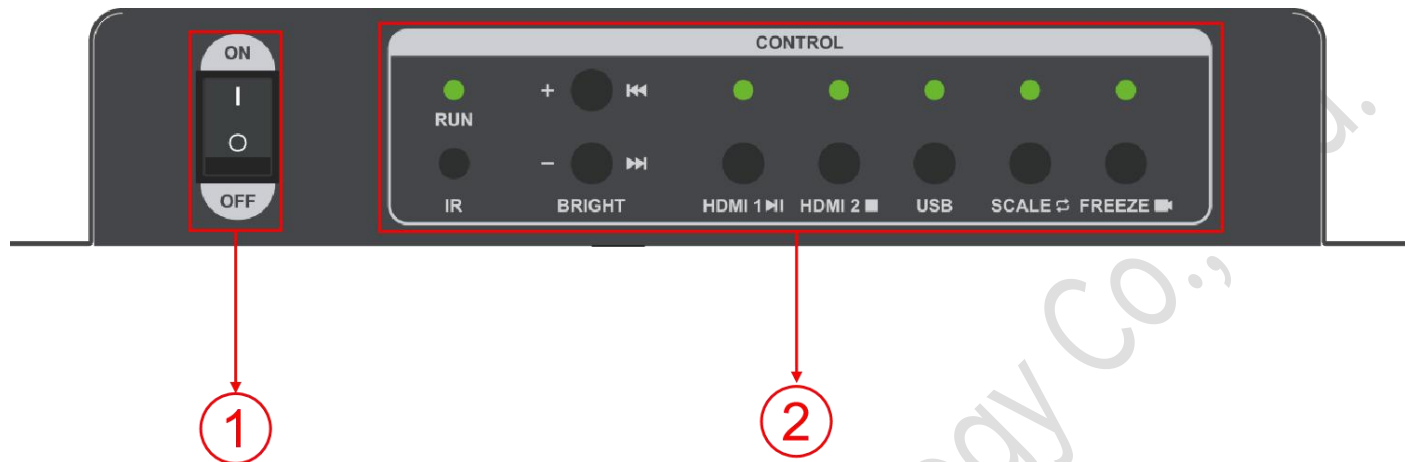
- Comes standard with 2-way Gigabit network ports, which can be directly cascaded to the receiving card;
- The maximum loading capacity is 1.3 million pixels, with a maximum width support of 3840 pixels or a maximum height support of 2500 pixels;
- 1 channel TRS 3.5mm standard two-channel audio output.

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

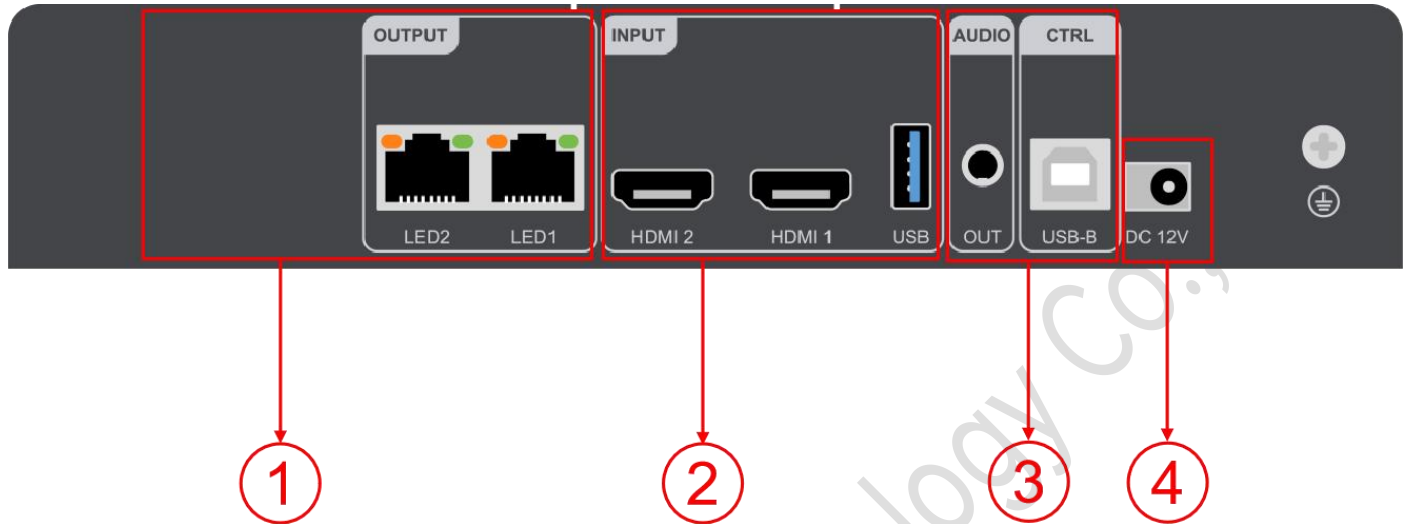
Front panel:



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 1920×1080@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

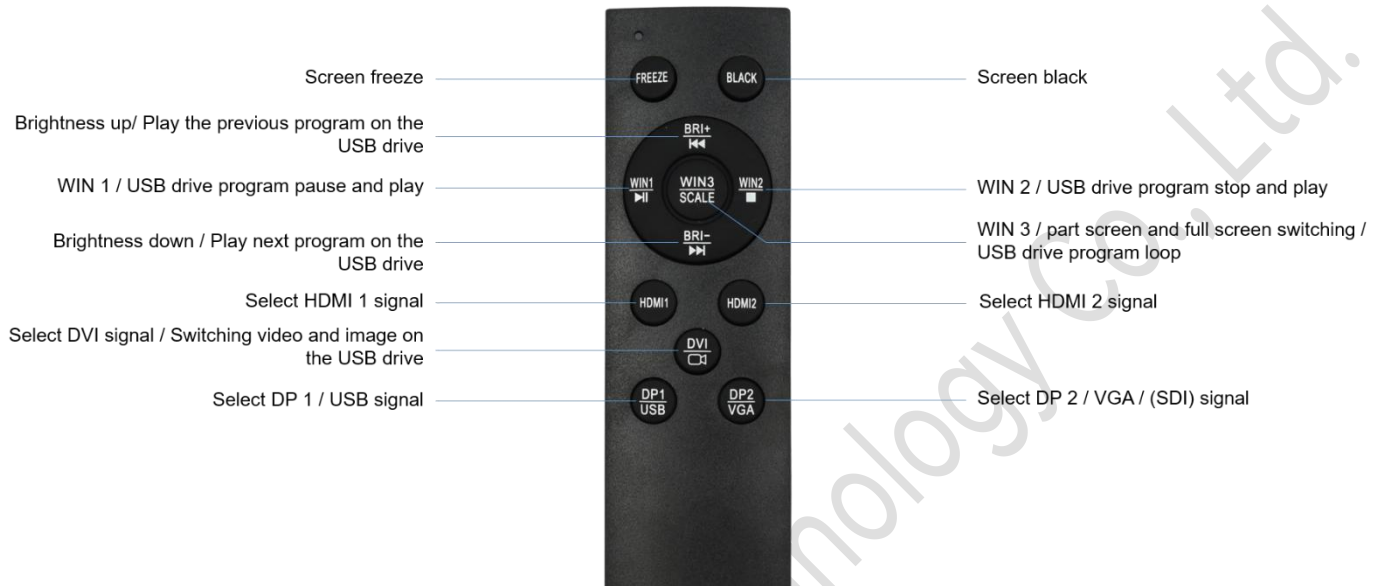
Output Interface

No.	Interface name	Quantity	Description
1	Gigabit network port	2	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

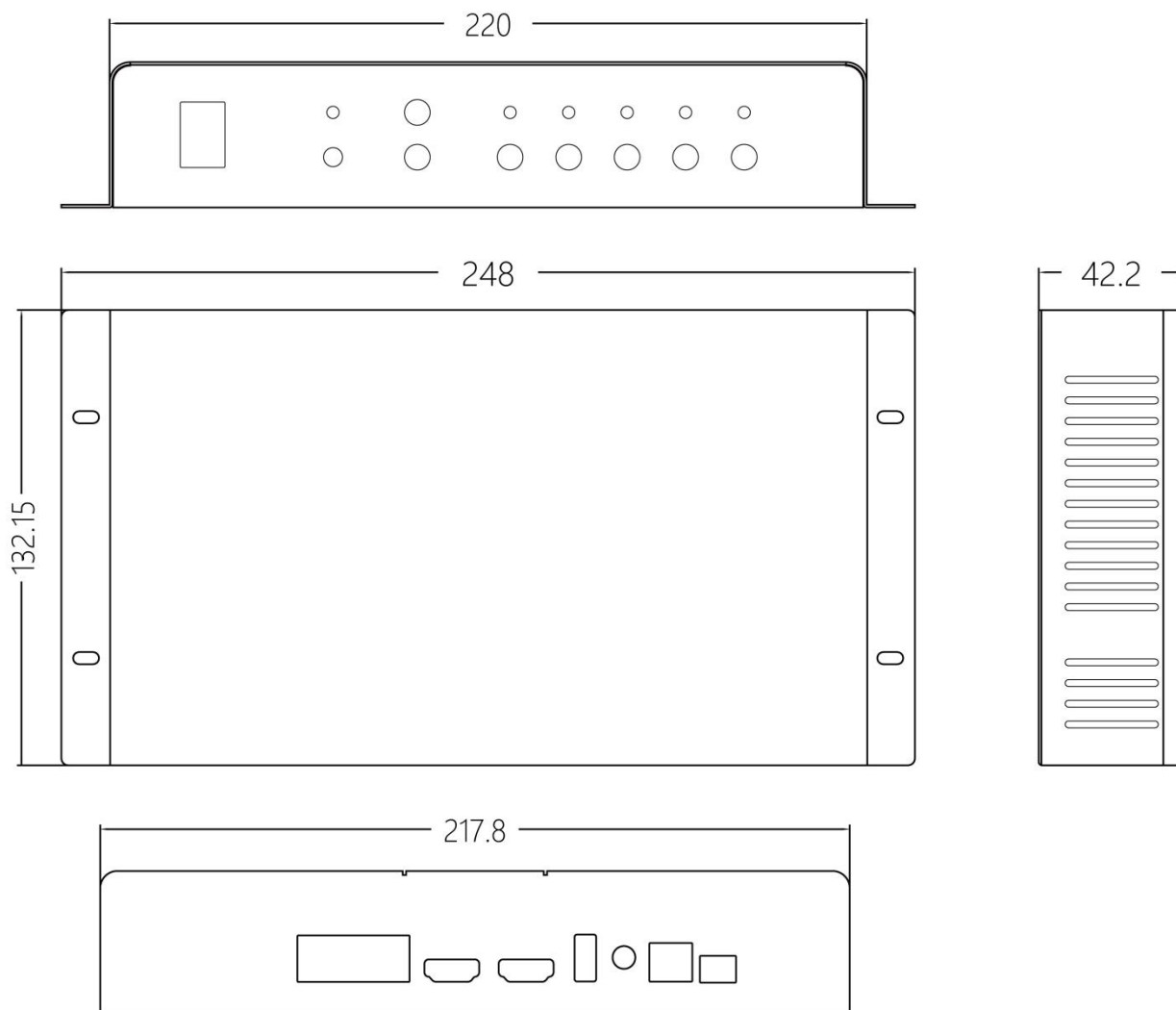
No.	Interface name	Quantity	Description
3	USB-B	1	Connect to computer for debugging equipment

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



5. Product Size

Unit: mm



6. Basic Parameters

Parameter item		Parameter value
Chassis specifications		1U Mini
Electrical Specifications	Power supply	DC 12V $\Rightarrow$ 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
Packing List	HD-KV210	1PCS
	USB Cable	1PCS
	HDMI Cable	1PCS
	Power Adapter	1PCS
	Certificate	1PCS

Illustrate:

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