

KLS4

Four port 2-in-1 video controller

Version: v1.3

Release Date: November 2021



Specification



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Professional Ultra HD Video Display
Control system integrated solution and service provider

Version record

version number	Change details	release time
V1.0	First edition released	2021.06.12
V1.1	Modify document device description	2021.07.08
V1.2	Modify the cover	2021.10.25
V1.3	Correction of dimension data, replacement of dimension drawing	2021.11.18

Overview

KLS4 is a four-network-port two-in-one controller that integrates a professional video processor and LED sending card for LED display solutions. One device can easily handle the large screen, which greatly simplifies the LED solution configuration and on-site debugging.

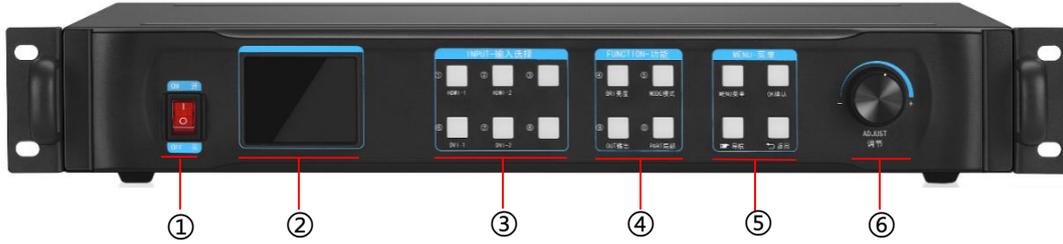


Features

- Supports independent operation of the control panel, the design of the knob and number keys makes the device easier to use;
- Support two working modes: two-in-one Processor and Sending card;
- Support the software control of the host computer to realize visual and quick operation;
- Support brightness and contrast, enhance image display effect;
- Support arbitrary scaling of screen size;
- Support motion compensation, no tailing appears on the screen;
- Support noise reduction processing to reduce noise stains;
- Support 4 channels of high-definition video signal input, 4 channels of network port output;
- Supports up to 2.6 million custom input resolutions, with a maximum width of 4096 and a maximum of 4096;
- Supports up to 2.6 million custom output resolutions, with a maximum width Support retransmission configuration and read-back configuration function, no host computer can realize maintenance;
- Support keyboard lock function to prevent misoperation of on-site personnel after construction and commissioning;
- Supports saving and recalling of five scene modes;

- Support navigation (smart setting) quick setting;
- International standard height of 1.5U, easy to carry and install;

Panel description



Serial number	Function Description
①	power switch
②	Full color LED information screen
③	Signal source quick selection area
④	Brightness adjustment, mode call, OUT one key black screen, panoramic part
⑤	Set menu, navigation, confirm, cancel function buttons
⑥	Knob adjustment

Port specifications



Input port		
Type	quantity	Specification
DVI	2	1.3 standard, support custom input resolution, maximum width/height 4096, maximum resolution 2.6 million
HDMI	2	1.3A standard, support custom input resolution, the maximum width is 4096, the maximum resolution is 2.6 million pixels
1/8" TRS audio	1	3.5mm stereo jack, 2.0Vp-p / 10 KΩ

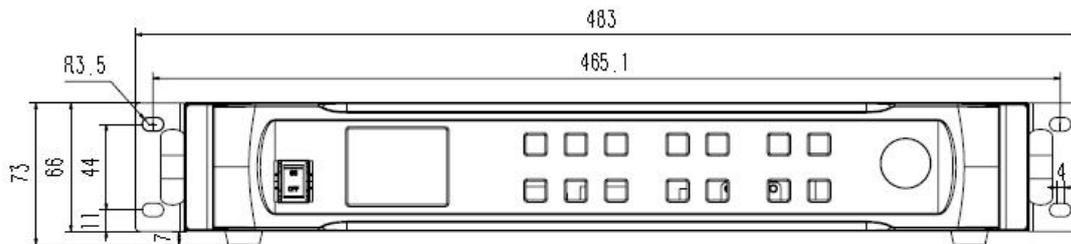
output port		
Type	quantity	Specification
LAN	4	LAN port, used to transmit data to the receiving card, the maximum bandwidth is 2.6 million pixels

control port		
Type	quantity	Specification

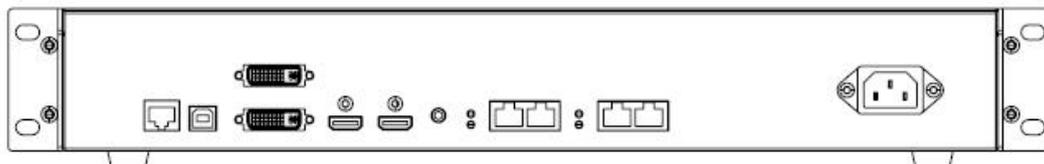
USB (Type-B)	1	USB-CFG interface, used to connect PC upper computer control
UART (RJ-45)	1	Serial port protocol

Whole machine specification	
Input power	100-240VAC 50/60Hz 0.6A
Operating temperature	0-45°C
Dimensions	480×246×73mm (L×W×H)
net weight	5KG
Whole machine power consumption	36W

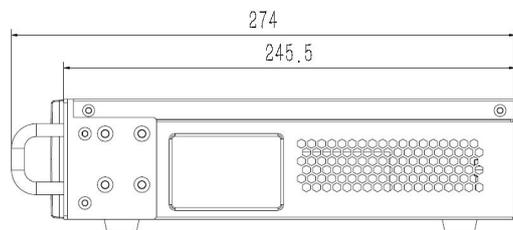
Attachment: equipment size chart



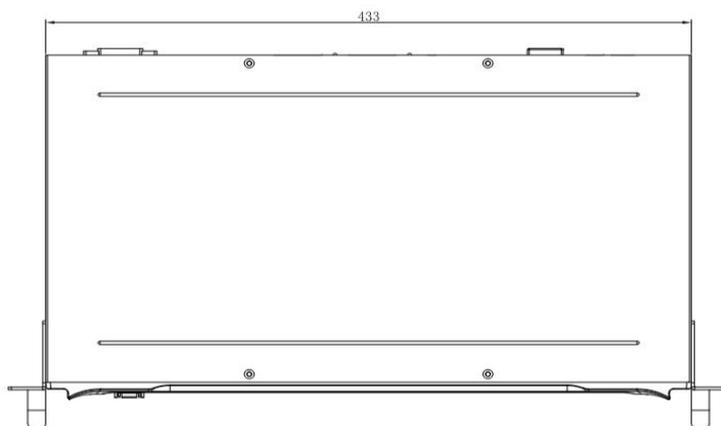
Front panel



Back panel



Side panel



Top panel