
KLS2

Two network ports two-in-one video controller

Version: v1.2

Release Date: November 2021



Specifications

Version record

version number	Change details	release time
V1.0	first release	2019.07.23
V1.1	Modify the cover	2021.10.25
V1.2	Correction of dimension data, replacement of dimension drawing	2021.11.18
V2.0	The maximum load width supports up to 4096; modify the input wide port specification	2022.02.21

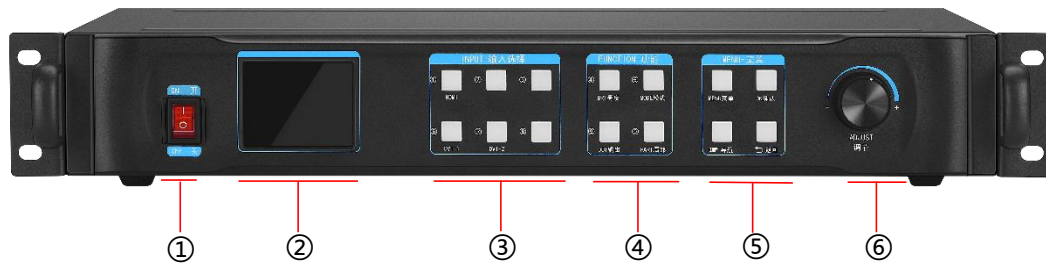
Overview

KLS2 is a two-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;
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- Support brightness and contrast, enhance image display effect;
- Support arbitrary scaling of window size;
- Support motion compensation, no tailing appears on the screen;
- Support 3 channels of high-definition video signal input, 2 channels of network port output;
- The two-in-one mode supports a maximum of 2.6 million custom input resolutions, with a maximum width of 2048 and a maximum of 4096;
- The sending card mode supports a maximum of 2.6 million custom input resolutions, with a maximum width of 4096 and a maximum of 4096;
- Supports up to 1.3 million custom output resolutions, up to 4096 wide and up to 4096
- Support resend configuration and read-back configuration function, no host computer can realize maintenance;
- Support keyboard lock function to prevent misoperation by 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	Supports up to 2.6 million custom input resolutions, max 4096 width and max height 4096
HDMI	1	1.3A standard, supports up to 2.6 million custom input resolutions, the maximum width is 4096, and the maximum height 4096

Output port

Type	quantity	Specification
LAN	2	LAN port, used to transmit data to the receiving card, the maximum load resolution 1.3 million pixels

Control port

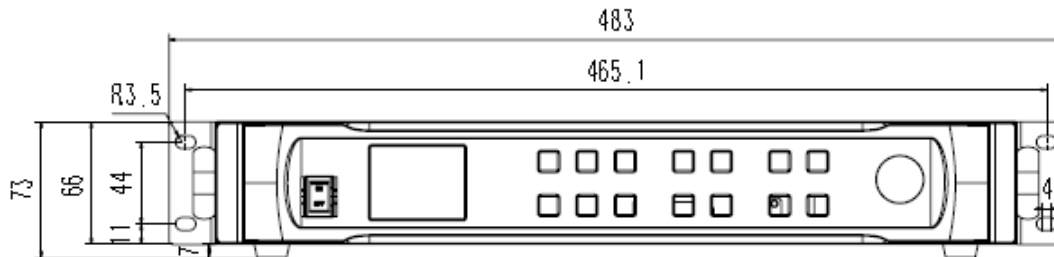
Type	quantity	Specification
USB (Type-B)	1	USB-CFG interface, used to connect PC control
UART (RJ-45)	1	Serial port protocol

Whole machine specification

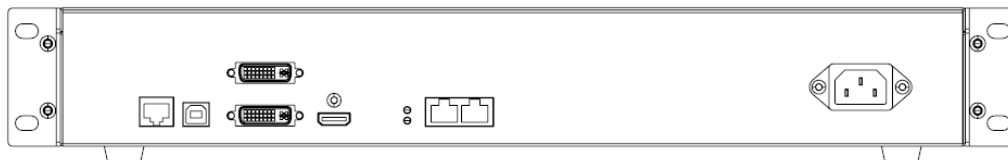
Input power	100-240VAC 50/60Hz 0.6A
Operating temperature	0-45°C
Dimensions	480×246×73mm (L×W×H)
net weight	5KG

Whole machine power consumption	36W
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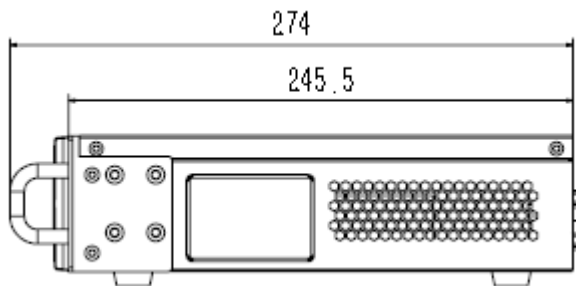
Attachment: equipment size chart



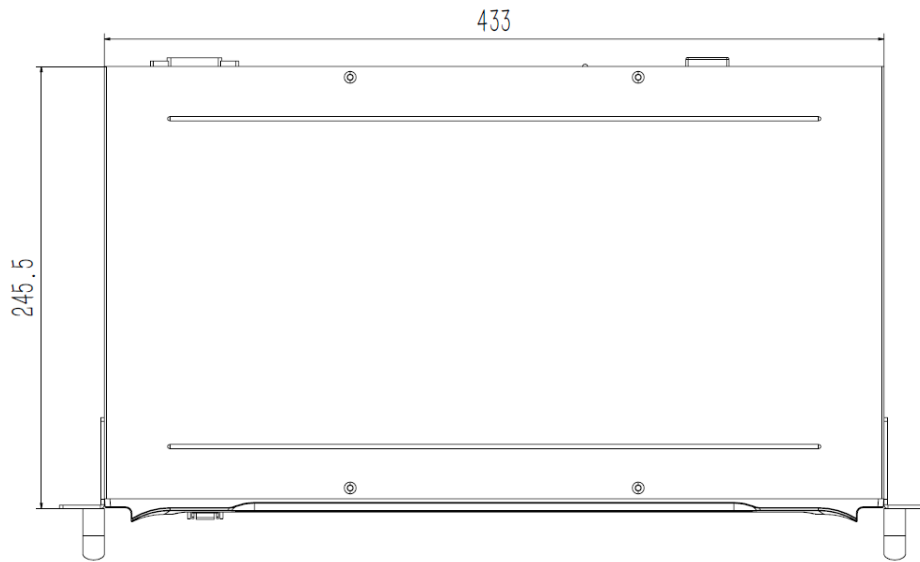
Front panel



Back panel



Side panel



Top panel