ES2Box

LED sending controller

Version: v2.3
Release Date: November 2021
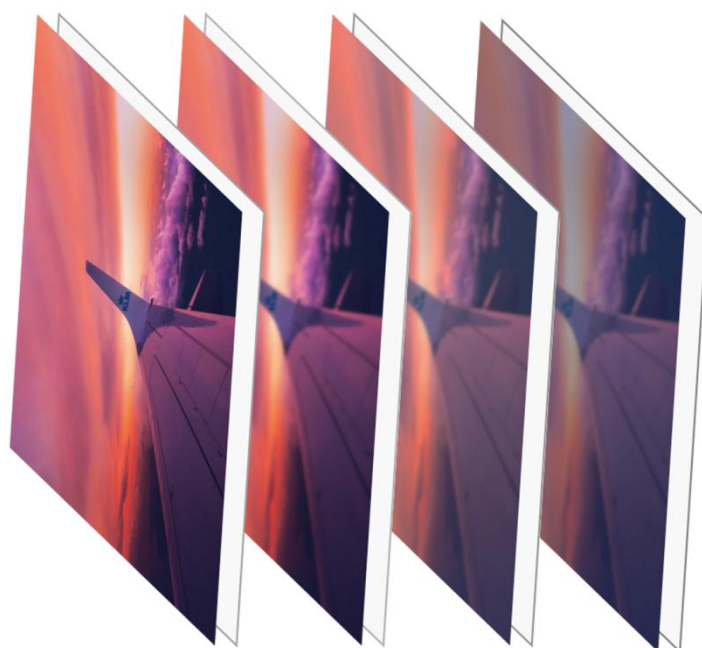
Specification

KYSTAR

Summary

KYSTAR ES2Box sending box is an important part of LED master control system, used to receive data from computers and other equipment, and convert it into network signal transmission to the receiving card. S2Box sending box adopts the industry's top design technology, in line with international and industry standards.

Independent power supply, more convenient to use, more safe.

Functional characteristics

- One DVI video input and two network ports output.
- One Stereo Audio Input, Used with Multi function Card to Transfer Audio.
- USB interface control, can cascade multiple units for unified control.
- The single card carries 1.3 million pixels, and the aspect ratio can be set arbitrarily, with a maximum width of 4000 and a maximum height of 2000.
- Supports the function of storing backup data and realizes one-click repair.
- Support color rendition function.

Panel description
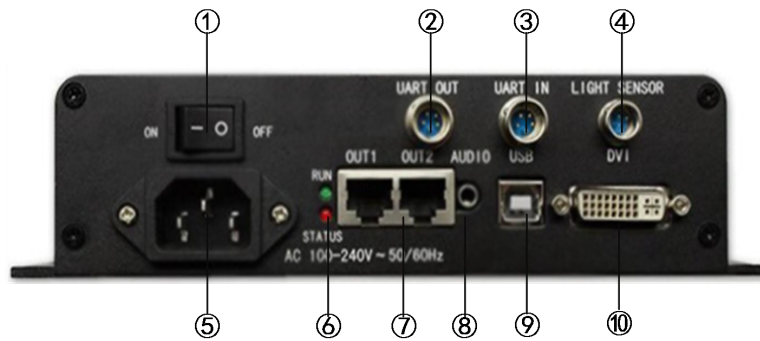
Serial number	Function description
①	Equipment switch
②	UART OUT：Cascading output ports
③	UART IN ：Cascading input ports
④	LIGHT SENSOR：Optical probe interface
⑤	AC 100-240V-50/60HZ：Ac power port
⑥	RUN/STATUS：Device running status indicator
⑦	OUT1、OUT2：Ethernet output interface
⑧	AUDIO：Audio input interface
⑨	USB：USB control interface, connect upper computer debugging
⑩	DVI：DVI-D input interface

Port specification

Input port		
Type	Number	Specifications
DVI	1	DVI-D input, support custom input resolution signal
Audio	1	3.5mm Audio input interface

Output port		
Type	Number	Specifications
LAN	2	Gigabit network outlet, docking receiving card

Control port		
Type	Number	Specifications
USB（type-B）	1	USB Control Port, Sender Card can be Controlled by PC Software

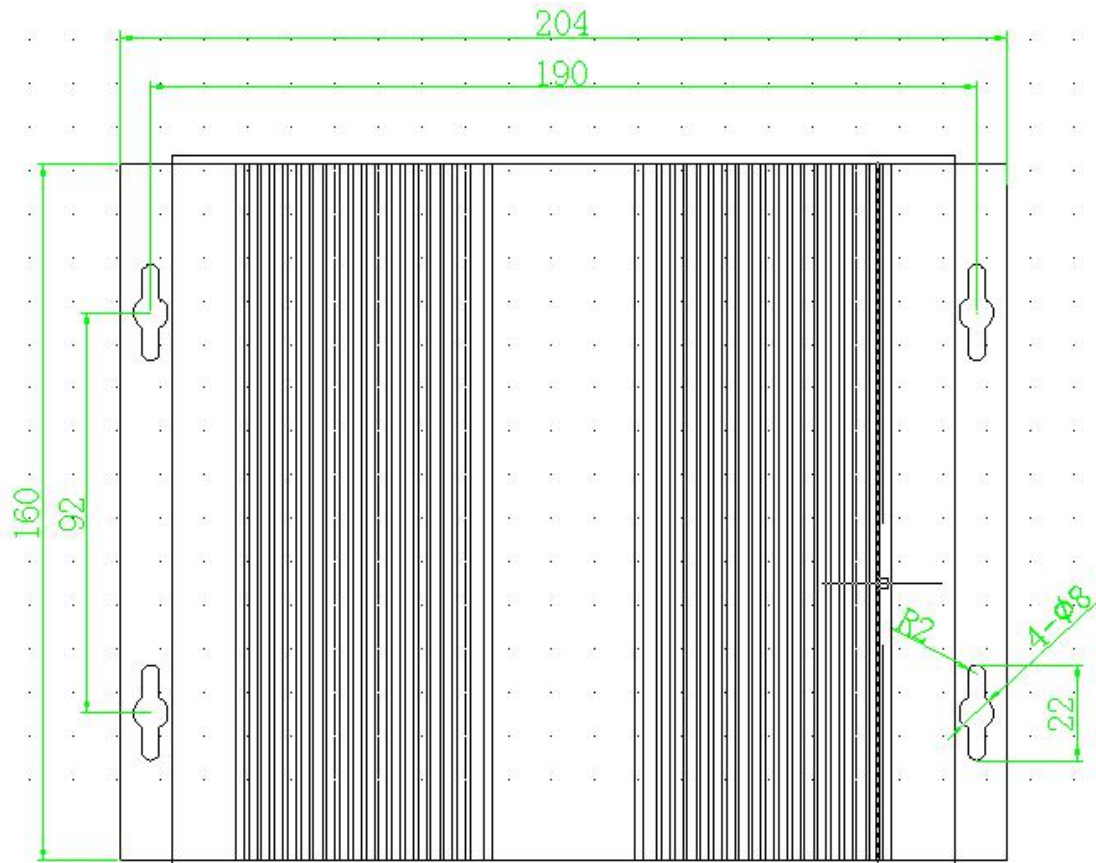| Indicator status	
RUN	Device running indicator Green, blinking with video source input, off or steady without video source
STATUS	Power indicator red: steady on indicates that the power supply is normal.,off indicates that the power supply is not normal

Specification for whole machine	
Rated power	100-240V AC~50/60Hz 2.1A
Working temperature	-10-70℃
Outline size	204×160×48mm （L×W×H）
Supported screen type	Full color solid pixels
Number of onboard receiving cards (single network port)	240(single network port)
Data interface	483×265×73mm（L×W×H）
Operating humidity (%)	0%-95%
Input power	100-240V AC~50/60Hz 2.1A

Annex: Equipment Dimension Map
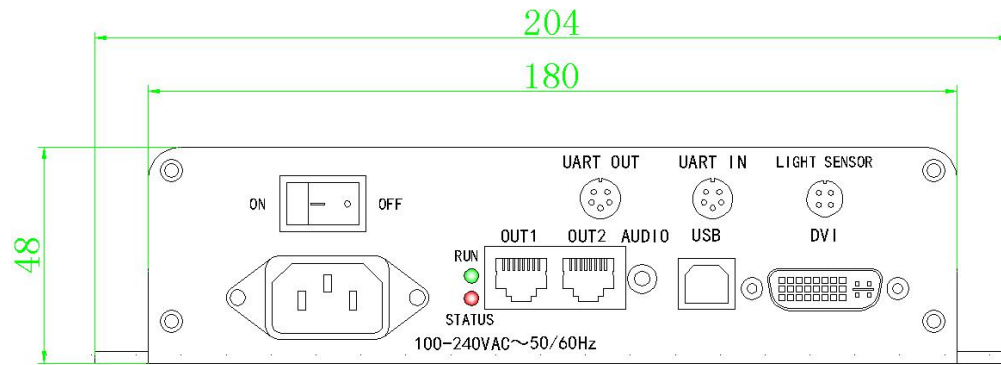
Back size(mm)

Vertical view(mm)