KS604

Sending box

Version: v1.2
Release Date: November 2021

Manual

KYSTAR

Version record

version number	Change details	release time
V1.0	first release	2014.07.01
V1.1	change cover	2021.10.25
V1.2	Correct size data	2021.11.18

Statement

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Certification Instructions

"CE"Certification

    EN 55022：2010

    EN 55024：2010

    EN 61000-3-3：2013

    EN 61000-3-3：2014

    EN 0950-1：2006+A11：2009+A1：2010+A12：2011+A2:2013

"FCC"Certification

    FCC Part 15

    ANSI C63.4：2014

"ROHS"Certification

    EPA 3050B：1996，EN1122:2001

    EPA 3052：1996，EPA 3060A

    EPA 7196，EPA 3540C，EPA 8270C

Version Information

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Safety Precautions

For your safety, please read this section carefully.

	Power supply The power supply for normal operation of this device is 100~220V AC, please make sure to use this product within this voltage range.
	High voltage This equipment contains high voltage components.
	Non-professionals do not disassemble This device is not equipped with maintenance parts for users to maintain and use by themselves, please do not open the case to operate by yourself. Self-disassembly may cause irreparable damage to the device. If there is a need for maintenance, please contact the after-sales personnel.
	Make sure the ground is good In order to protect the personal safety of users, please ensure that the power cable is well grounded before use.
	Keep away from strong magnetic fields, motors and transformers In order to ensure the normal use of the equipment, please keep away from strong magnetic fields, motors and transformers.
	Pay attention to moisture Keep the use environment dry. If the device is accidentally damp, please do not connect to the power supply, and the device should be dried before use.
	Keep away from explosives Do not use this product in flammable and explosive environments.
	Prevents liquid or conductive debris from entering the interior of the case It is necessary to strictly prevent conductive substances such as liquid or metal debris from entering the inside of the equipment chassis.

Catalog

1. Product introduction

Overview

KS604 is a management end device for sending cards. It is an independent management unit, which is convenient for the management of power supply and signals on the site of multiple sending cards, and conforms to international and industry standards.

Comes with two one-to-two splitter, supports free copying within 2.6 million resolutions.

This product has the following features:

- Independent power supply and installation of 4 small sending cards
- Two independent DVI splitters, split in two
- 1.5U chassis for easy installation

2. Panel introduction

2.1 Front panel Introduction

The red switch is the power switch button, ON is the power-on state, OFF is the power-off state
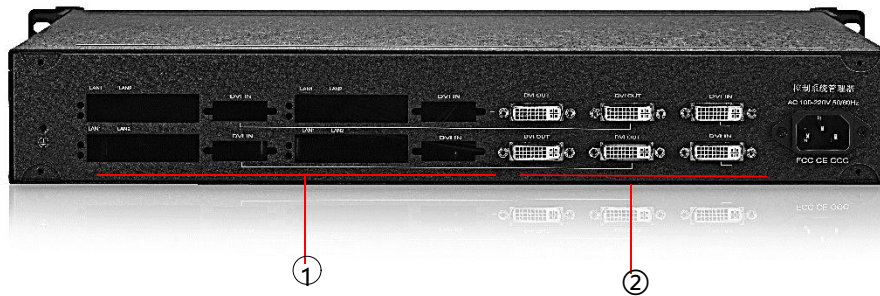

Switch

2.2 Back panel introduction

KS604 comes with two one-to-two DVI splitters, which can be used to cascade sending cards. Two distributors can cascade 4 two-network port sending cards into two 4-network port sending cards for use

KS604 can be compatible with 4 two network port sending cards of mainstream brands on the market, and has an independent power supply unit, which is convenient for on-site power supply and signal management of multiple sending cards.

Serial number	Function Description
①	Sending card installation area
②	Comes with two one-to-two DVI splitter

3.Port Specifications

Input port		
Type	Quantity	specification
DVI	2	Standard DVI-D socket, 18+1 pinhole; DVI1.1; TMSD level, single pixel input, 165MHz bandwidth; Support resolution: 2560×1024 @60Hz 1536×1536 @60Hz 2048×1152 @60Hz 1920×1200 @60Hz 1920×1080 @60Hz 1680×1050 @60Hz 1600×1200 @60Hz 1440×900 @60Hz 1400×1050 @60Hz 1366×768 @60Hz 1360×768 @60Hz 1280×1024 @60Hz

| | | 1280×800 @60Hz   1024×768 @60Hz |
| | | And custom resolution in the range of 2560×1024 @60Hz |

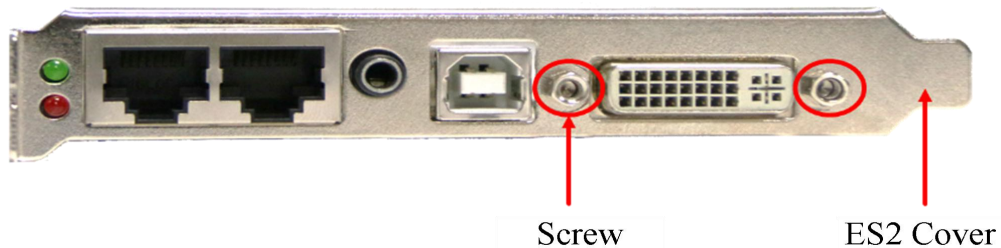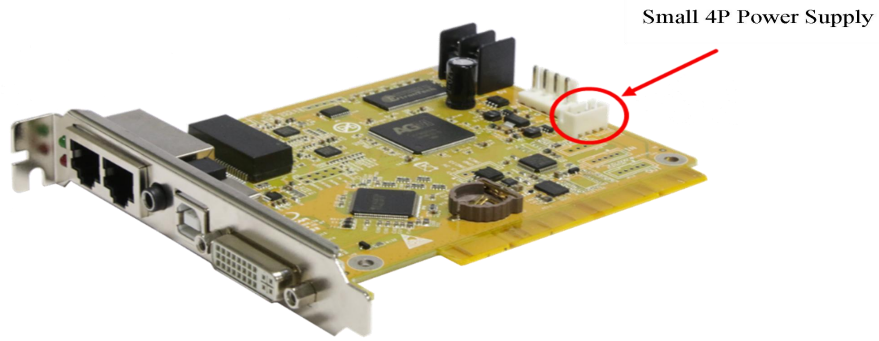| Output port		
Type	Quantity	specification
DVI-D	4	Standard DVI-D socket, 18+1 pinhole; DVI1.1; TMSD level, single pixel input, 165MHz bandwidth; Support resolution: 2560×1024 @60Hz 1536×1536 @60Hz 2048×1152 @60Hz 1920×1200 @60Hz 1920×1080 @60Hz 1680×1050 @60Hz 1600×1200 @60Hz 1440×900 @60Hz 1400×1050 @60Hz 1366×768 @60Hz 1360×768 @60Hz 1280×1024 @60Hz 1280×800 @60Hz 1024×768 @60Hz And a custom resolution in the range of 2560×1024 @60Hz

Machine specification	
Input power	100-240V AC~50/60Hz 1.0A
Operating temperature	-20℃~85℃
Working humidity	0℃~40℃
Dimensions	483×340×67mm （L×W×H）
net weight	5KG
Machine power consumption	50W

4.Installation Notes

4.1Sending card installation

Remove the screws on the left and right sides of the KS604, remove the hexagonal screws of the sending card, remove the front cover of the sending card, and then put ES2 into the KS604 box. After the installation is complete, insert the small 4P 5V power supply cable on the sending card.
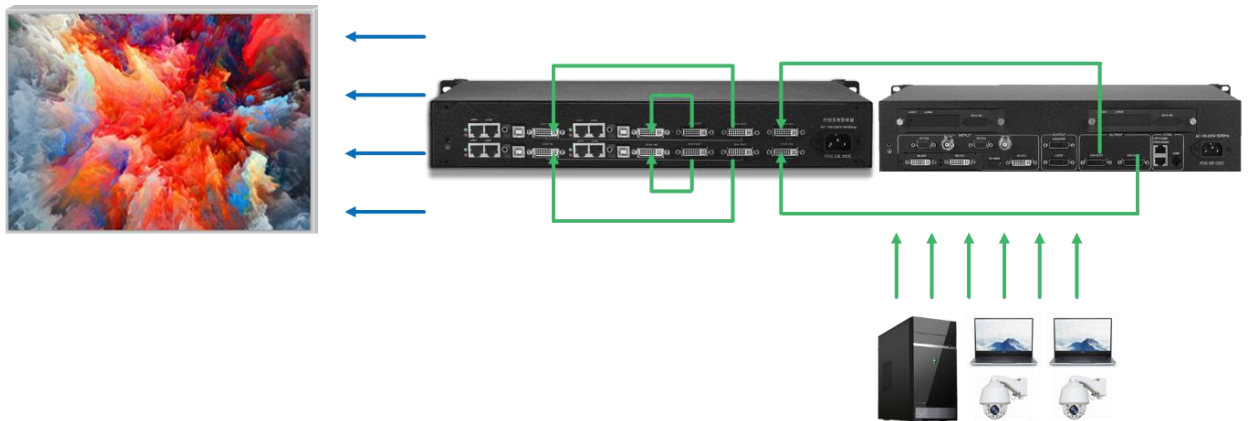

Screw   ES2 Cover

Small 4P Power Supply

Install sending card

Before install   After install

4.2 Connect method

The out of Video Processor is connected to the DVI input of the sending card box, and the DVI output is connected to the DVI input of the sending card.

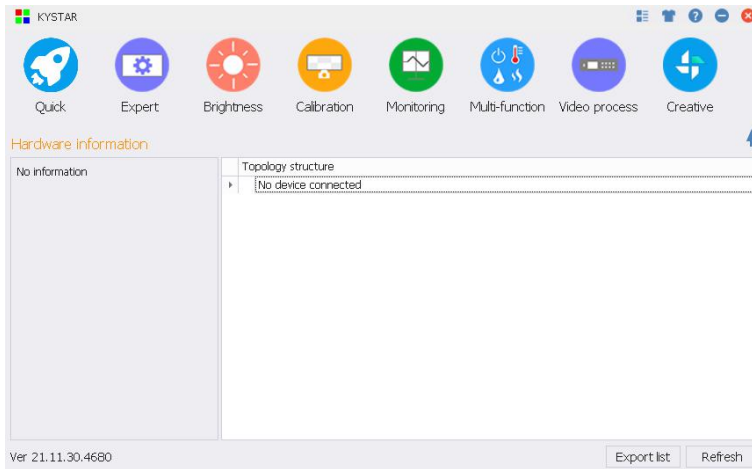Note: 3 pcs DVI in the horizontal direction on the sending box are a group of DVI spliter

5.debug step

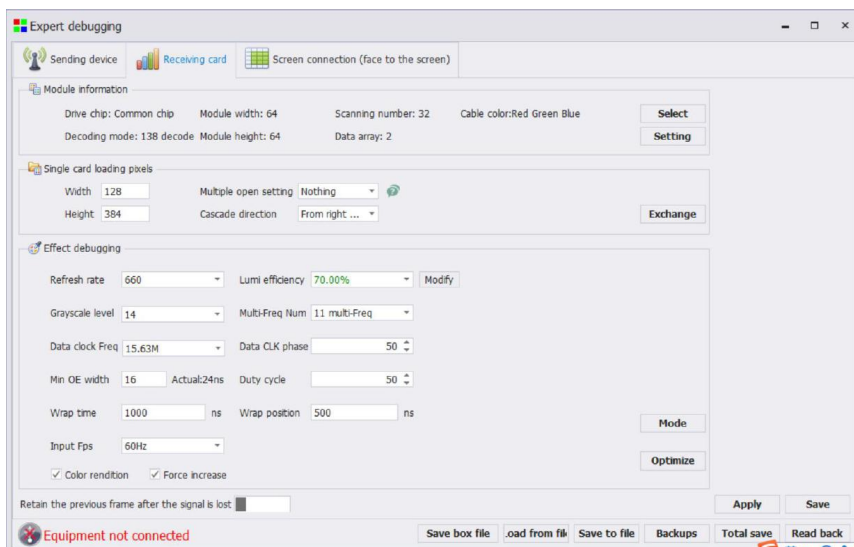1、Confirm parameters before commissioning

The topology diagram is shown in the figure: the display content is basically the same as that of the sending device, and the device model, version number, and receiving card model and version number can be detected.

It is recommended to use expert screen adjustment for debugging. The wizard screen adjustment will cause slow debugging due to the large number of network ports and receiving cards.

2、Receiving card interface:

①Enter the module selection to see if there is a file matching the unit board, if not, select the smart setting

②Single card loading: Input the loading points of each receiving card. If the on-site module wiring is multi-open, select it in the multi-open setting, and the cascading method is the same.

③Effect debugging: In the case of normal large screen display, increase the refresh rate to adjust the data clock frequency and multiplier

3、Display connection:

Facing the LED screen, input the number of card rows and card columns, and then route the cables in sequence according to the load order of the network cables.

Or do smart stringing. After application, click to cure all