

iQ7E UHD Sender

Overview

iQ7E UHD sender is specially designed for high-end LED display. It has the strongest receiving capability of 4K, can receive signal with 4096*2160 pixels in maximum. It has 4 gigabit Ethernet outputs to support super large screen.

Its LCD can show the real-time information about screen status and the control panel supports quick setting of LED display without need of computer.



Features

- Maximum load capacity: 2621440 pixels @ 4096*2160 pixel
- Quick setting of screen without computer by use of control panel
- LCD shows real-time information of screen status
- Support one key to lock and one key to black screen
- One key switching from DVI to HDMI
- Support HDMI and DVI signal input
- Support external audio input
- Support high level video input: 12bit/10bit/8bit
- Support 3D display
- 4 gigabit Ethernet outputs support screen arbitrary splicing

- Dual USB2.0 for high speed configuration and easy cascading
- Support systematic time encryption
- Internal testing program, support offline testing
- Brightness adjustment in 256 levels by knobs
- Preset startup picture of display
- Local HD playing
- Compatible with all receiver series, like 5A, i5A

Applications

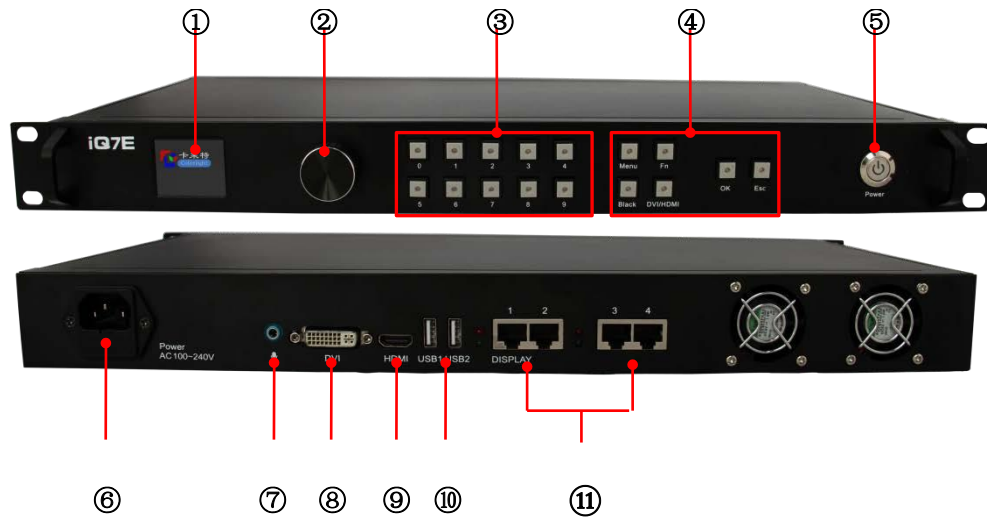
- Performance stage display
- Super large display

Specifications

Video source interfaces	
Interface type	DVI*1; HDMI*1
Input resolution	4096*2160 pixels in maximum
Auto-adjust resolution	support
Video source frame rate	60Hz, support auto-adjustment
Receive area	Can be set freely
Input color	12/10/8bit
Output	
Net port number	4 gigabit net ports
Control area by port	2621440pixels @60Hz, each port: 1280*512 (or the same area)
Transmission distance	CAT5≤140M ; CAT6≤170M ; NO limitation on optical fiber
Cascading	Support arbitrary cascading between net ports
Transmission mode	Frame mode, CRC check in addition
Connected equipment	
Receiver card	5A series, i5A series, customization cards, etc
Peripherals	Multifunction card, optical fiber transceiver, gigabit switcher
Specification	
Size	1U standard box
Input voltage	AC 100~240V
Rated power consumption	10W
weight	2kg
External interfaces	
LCD	Show real-time information of screen, help to make quick setting of screen
Control panel	Rich bottom for quick setting o the screen without the need of computer
Configuration interface	USB 2.0*2

DVI information	Present info about frame rate, blanking value, clock, judge status between video card and video processor
Brightness control bottom	Adjustment in 100 levels, auto save in sending card
Real-time configuration	Gamma, control area, parameters setting
Adjustment in brightness and chromaticity	support
Smart detection system	Support, temperature, humidity, etc
Real-time clock	Internal real-time clock, backup battery, total running time can be calculated, preset working status in order
More functions	
Cascading	Support
Multiple screen control	Multiple screens with different sizes can be controlled at one time
Background playing	Support
Audio transmission	support
BER detection	Net cable quality and malfunction detection

Hardware



1、Interface description

NO.	Interface	functions	Noted
1	LCD	To show information, such as logo, running state, etc.	
2	Spin bottom	Used for brightness adjustment and assisted selection	
3	number keypad	0-9, for the numerical input	
4	Function keys	Extended function, such as Menu , 'black' , 'fn' (function combination key) , 'DVI/HDMI'	
5	Power switch	power on /off	
6	Power supply	AC power supply interface (AC100-240V)	
7	Audio input	transmit the audio signal to the multifunction card	
8	DVI input	DVI signal input	
9	HDMI input	HDMI signal input	
10	USB 2.0	For iQ7E and PC communication or iQ7E cascade	
11	Output port	RJ45,4 outputs, connect to receiver cards	

2、Dimension

