

iQ7 HD Sender

Overview

iQ7 HD sender is specially designed for the HD display. It has strong receiving capability of maximum 2560*1600 pixels and has 4 gigabit Ethernet outputs can help to support supper large screen.

It supports 12bit color input, dual USB2.0 high-speed communication interfaces are specially for configuration and cascading.



Features

- Support HDMI and DVI signal input
- Support high level video input: 12bit/10bit/8bit
- Maximum load capacity:2621440pixels @2560*1600 pixel
- 4 gigabit Ethernet outputs support screen arbitrary splicing
- Dual USB2.0 for high speed configuration and easy cascading
- Support systematic time encryption
- Advanced design, good quality components, strict aging test, zero-malfunction of final products
- Internal testing program, support offline testing
- Brightness adjustment in 16 levels by button

- Standard 1U box, input voltage with AC100-240V
- Support preset startup picture of display
- Support various freeform display
- Compatible with all receiver series, like 5A, i5A

Applications

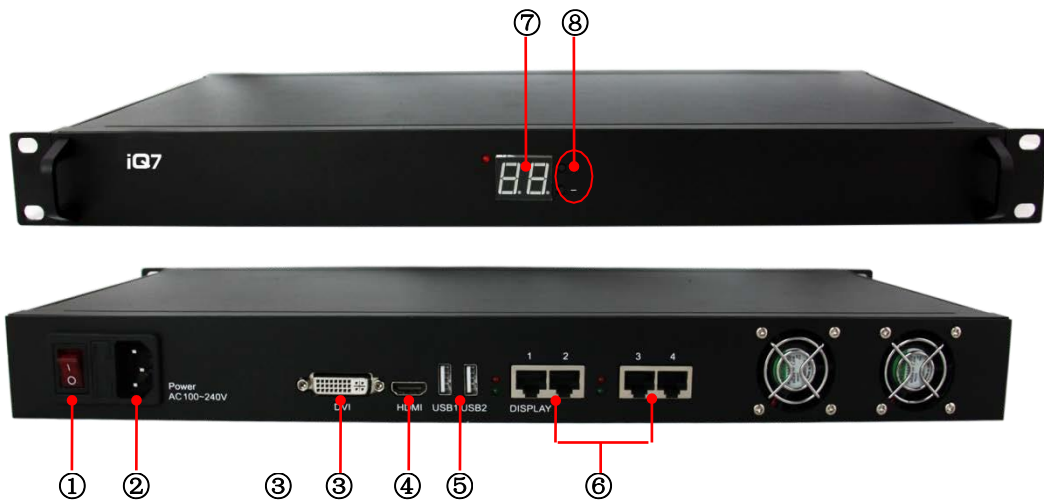
- Performance stage display
- Super large display

Specifications

Video source interfaces	
Interface type	DVI*1; HDMI*1
Input resolution	2560*1600 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
Interface	
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 16 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
BER detection	Net cable quality and malfunction detection

Hardware



1、Interface function

NO.	Interface	Functions	Noted
1	Power switch	Power on /off	
2	Power supply	AC power supply interface (AC100-240V)	
3	DVI input	DVI signal input	
4	HDMI input	HDMI signal input	
5	USB 2.0	For iQ7E and PC communication or iQ7E cascade	
6	Output port	RJ45,4 outputs, connect to receiver cards	
7	Digital tube	To show the Brightness and testing condition.	
8	Setting button	Brightness adjustment (16 levels) ; Full screen testing mode	Hold down two keys at once to change the mode between brightness and testing

2、 Dimension

