

## 3D Sender

### Overview

3D sender is specially designed for ordinary LED display to achieves 3D effect.

With the transmitter, and shutter type 3D glasses together, 3D Sender can make the ordinary LED display play as a 3D display, and it can be easily switched between 2D and 3D mode.

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 supper 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

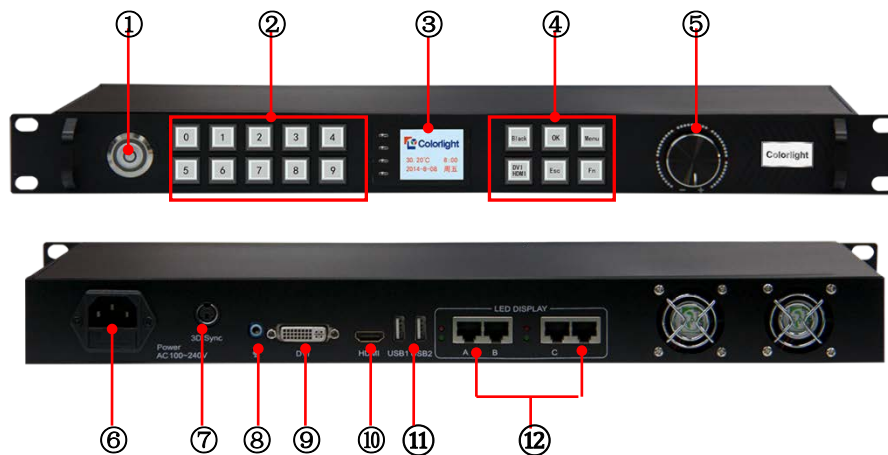
- Support 3D display
- Input resolution: The maximum resolution is 4096\*2160 pixels,
- Maximum load capacity:2621440pixels @4096\*2160 pixels (2D Mode);  
1310720pixels @2048\*2160 pixels (3D Mode);
- Quick setting of screen without computer by use of control panel
- LCD shows real-time information of screen status
- Support one key to lock and one key to black screen
- Support HDMI and DVI signal input
- One key switching from DVI to HDMI
- Support external audio input
- Support high level video input: 12bit/10bit/8bit
- 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
- Compatible with all receiver series, like 5A, i5A

## Specifications

<b>Video source interfaces</b>	
Interface type	DVI*1 , HDMI*1
Input resolution	4096*2160pixels in maximum
Auto-adjust resolution	Support
Video source frame rate	60Hz , support auto-adjustment
Input color	12/10/8bit
<b>Output</b>	
Net port number	4 gigabit net ports
Control area by port	2D mode: 2621440 pixels@60Hz, each port: 655430pixels; 3D mode , 327680 pixels@60Hz, each port: 1310720pixels;
Transmission distance	CAT5E≤140M ; CAT6≤170M ; NO limitation on optical fiber
Cascading	Support arbitrary cascading between net ports
Transmission mode	Frame mode, CRC check in addition
<b>Connected equipment</b>	
Receiver card	5A series, i5A series, customization cards, etc.
Peripherals	Multifunction card, optical fiber transceiver, gigabit switcher
<b>Specification</b>	
Size	1U standard box
Input voltage	AC 100~240V
Rated power consumption	10W
Weight	2kg
<b>External interfaces</b>	
LCD	Show real-time information of screen, help to make quick setting of screen
Control panel	Rich bottom for quick setting the screen
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, automatically 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
<b>More functions</b>	
Multiple sending cards arbitrary cascading,	Use of dual USB interface to achieve multiple card cascaded, support synchronous parameter setting, read back, etc.
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

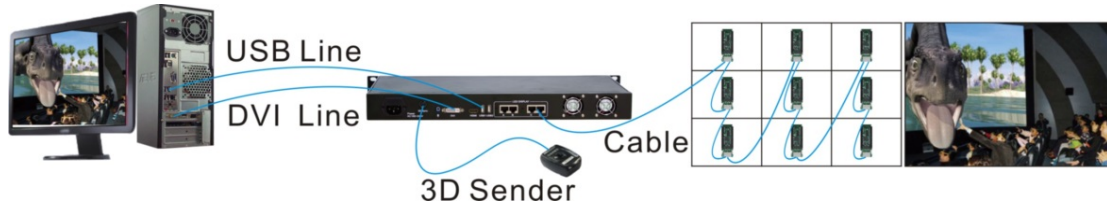
## Hardware



### 1、 Interface description

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

## 2、Hardware Connect Diagram



## 3、Dimension

