Colorlight

S6F HD Sender

Specification

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Overview

S6F HD Sender possesses powerful video signal receiving capacity, and supports DVI&HDMI HD signal input and loop output, in which max input resolution is 1920*1200 pixels. Meanwhile, 6 Gigabit Ethernet and 3 optical fiber outputs support big LED display of 4096 pixels in maximum width or 2560 pixels in maximum height.

S6F adopts dual USB2.0 interfaces for high-speed configuration and easy cascading, and the operation is simple and convenient. Also, it equips a series of versatile functions, which have many advantages in applications of manufacture and engineering.

Features

- Video input ports including 1 HDMI with loop, 1 DVI with loop;
- Support input resolution up to 1920*1200@60Hz;
- Loading capacity: 2.3 million pixels, Maximum width: 4096 pixels, Maximum height: 2560 pixels;
- 6 Gigabit Ethernet outputs support screen arbitrary splicing;
- Support 3 optical fiber outputs;
- Dual USB2.0 for high-speed configuration and easy cascading;
- Support splicing and cascading among several senders with synchronization strictly;
- Support control via 100M Ethernet;
- Support brightness and chromaticity adjustment;
- Support improved gray-scale at low brightness;
- Support HDCP;
- Compatible with all receiving cards, multifunction card, optical fiber transceivers of Colorlight.
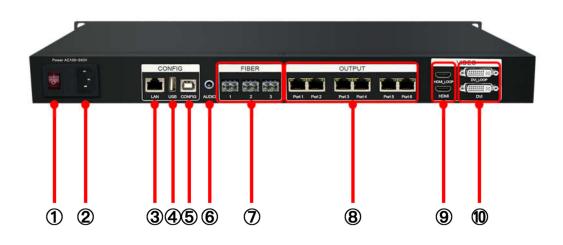
Specifications

Video Source Interface

Interface Type	1*HDMI+1*DVI+1*HDMI_LOOP+1*DVI_LOOP
Input Resolution	1920*1200 pixels maximum
Video Source Frame Rate	60Hz, support auto-adjustment
Receive Area	Can be set freely

Gigabit Ethernet Output

Net Port Number	6 Gigabit Ethernet ports
Control Area	2.3 million pixels maximum Maximum width: 4096 pixels, Maximum height: 2560 pixels
Transmission Distance	CAT5≤140M, CAT6≤170M, Optical fiber: No limitation
Cascading	Up-down or left-right cascading defined by user
Transmission Mode	Frame mode (Gigabit Ethernet) with CRC

Optical Fiber Port

Port Number	3 optical fiber ports
Transmission Distance	No limitation
Fiber Port	Dual-LC port

Connection Equipment

Receiving Card	Compatible with all series of Colorlight receiving card
Peripherals	Multifunction card, optical fiber transceivers, gigabit switcher

Specification

Size	1U Standard box
Input Voltage	AC 100~240V
Rated Power Consumption	20W
Weight	2kg

External Interfaces

Configuration Port	USB 2.0*1, LAN*1

Input Information	Present info about frame rate, blanking value, clock, display status of video card and video processor
Brightness Adjustment	Adjustment by knob, auto saved in sending card, what you see is what you get
Real-time Configuration	Gamma, control area, parameters setting, what you see is what you get
Brightness and Chromaticity Adjustment	Support
Smart Detection System	DVI interface detection, temperature detection

More Functions

Cascading	Via USB ports. Support synchronous parameter setting and read back
Multiple Screen Control	Multiple screens with different sizes can be controlled simultaneously
Background Playing	Support background playing (Extended mode)
BER Detection	Ethernet cable quality and malfunction detection

Hardware

1. Interface Description

No.	Name	Function	Remarks
1	Power Switch	On/off	
2	Power input	AC power input	
3	LAN	Communication with PC, or access network	

4	USB_OUT	USB output, sender cascading supported	
5	USB_IN	USB input, connect with computer for configuration	
6	Audio input	Input audio signal and transmit to the multifunction card	
7	Optical fiber port	3 single-mode LC fiber outputs	
8	Output port	RJ45, 6 outputs, connect to receiving cards	6 Gigabit Ethernet outputs support screen arbitrary splicing
9	HDMI	HDMI signal input and loop output	
10	DVI	DVI signal input and loop output	

2. Dimension

Unit: mm