



S6F

Controller

Specification V1.1

Overview

S6F 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

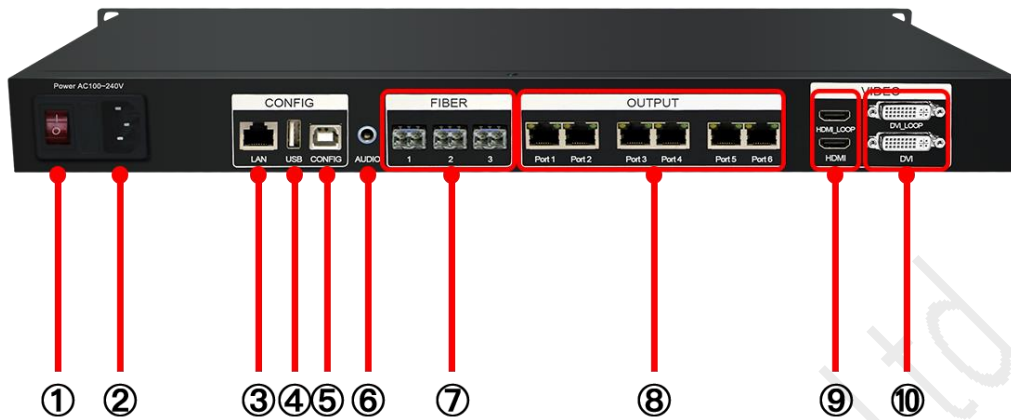
- Video input ports including 1 HDMI with loop, 1 DVI with loop
- Up to 1920×1200@60Hz input resolution, supporting EDID setting
- Loading capacity: 2.3 million pixels, maximum width: 4096 pixels, or maximum height: 2560 pixels
- 6 Gigabit Ethernet outputs support screen arbitrary splicing
- Support 3 optical fiber outputs
- Dual USB2.0 for high-speed configuration and easy cascading
- Support splicing and cascading among several devices with synchronization strictly
- Support control via Fast Ethernet port
- Support brightness and color temperature adjustment
- Support improved gray-scale at low brightness
- Support HDCP
- Compatible with all conventional receiving cards 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
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	Recommended: CAT5e≤100m
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	Single-mode SFP module with a transmission distance of 2km (optional)
Fiber Port	Single-mode twin-core SFP module (optional), Dual-LC port
Connection Equipment	
Receiving Card	Compatible with all conventional receiving cards of Colorlight
Peripherals	Multifunction card, optical fiber transceivers, Gigabit switcher
Specification	
Chassis Size	1U
Input Voltage	AC 100~240V, 50/60Hz
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
Real-time Configuration	Gamma, control area and parameter setting
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
BER Detection	Communication quality and malfunction detection

Hardware

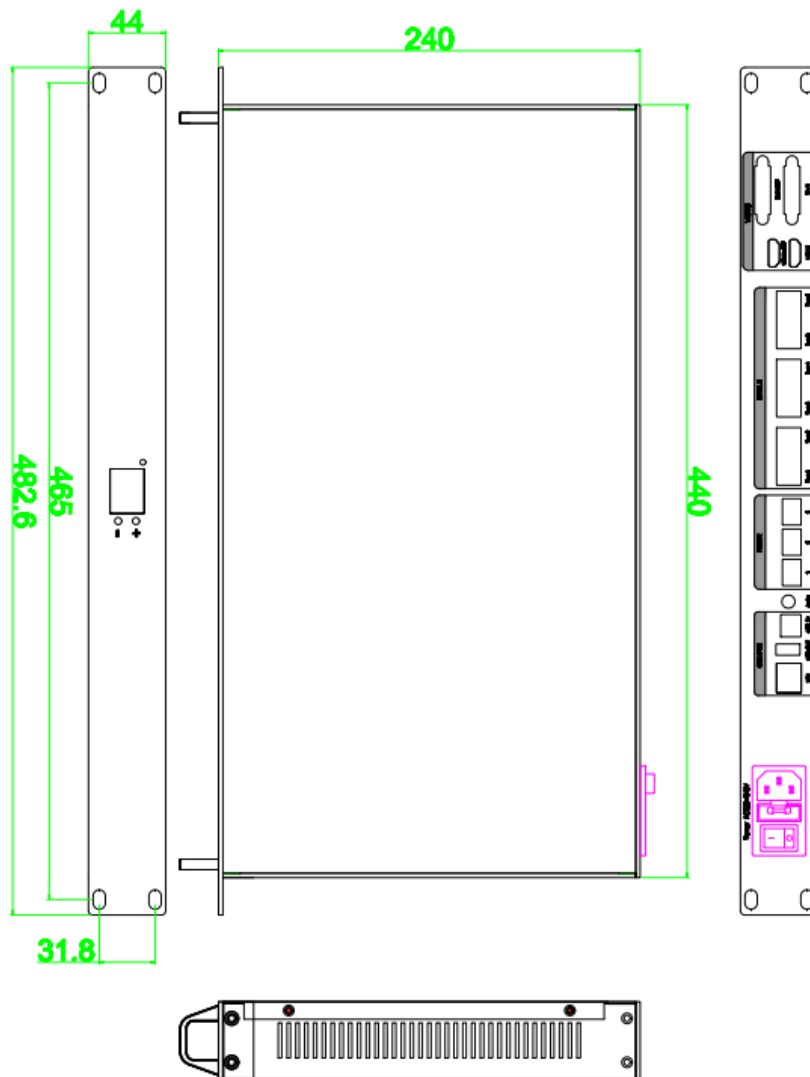


1. Interface Description

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, as cascading output	
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 dual-LC fiber outputs	SFP module is optional
8	Output port	RJ45, 6 outputs, connect to receiving cards	6 Gigabit Ethernet outputs support screen splicing
9	HDMI	HDMI signal input and loop output	
10	DVI	DVI signal input and loop output	

2. Dimensions

Unit: mm



Statement

Thank you for purchasing the product of Colorlight Cloud Tech Ltd. If you encounter any problems during use or have any suggestions, please contact us through official channels. We will do our best to provide support and listen to your valuable suggestions. We will constantly make improvements on technical specifications but without notice. You can visit www.colorlightinside.com to get more updated information.