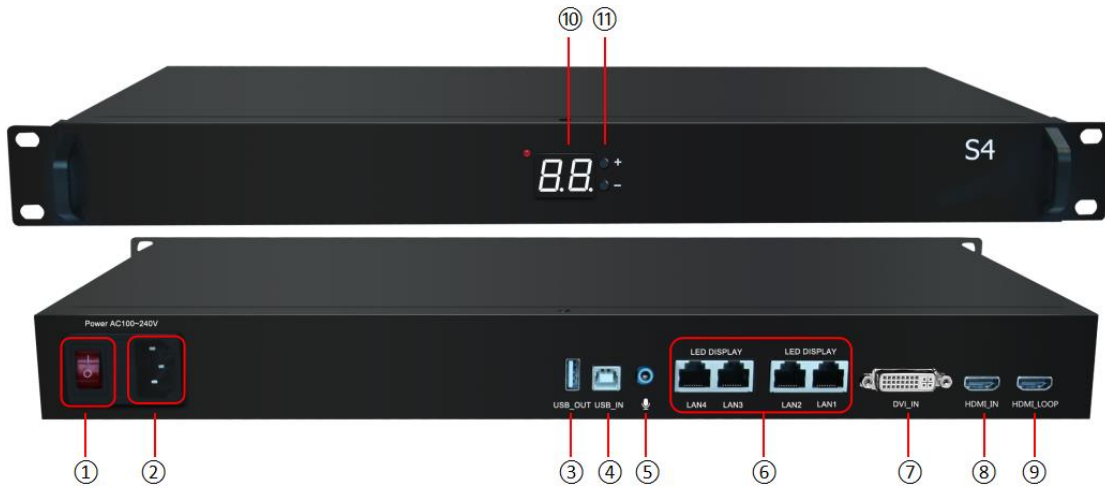# Colorlight

S4 HD Sender

Features

- HDMI and DVI signal input ports with HDMI signal loop output port

- Maximum input resolution: 1920*1200 pixels

- Maximum loading capacity: 2.30 million pixels

  Maximum Width: 4096pixels, Maximum Height: 2560 pixels

- 4 Gigabit Ethernet outputs support screen arbitrary splicing

- Dual USB2.0 for high speed configuration and easy cascading

- Support brightness and chromaticity adjustment

- Improved grayscale performance at low brightness

- Support HDCP

- Compatible with all series of Colorlight receiving card

Specifications

Video source interface	
Interface Type	1*DVI+1*HDMI+1*HDMI_LOOP
Input Resolution	1920*1200 pixels maximum
Video Source Frame Rate	60Hz, support auto-adjustment
Receive Area	Can be set freely
Output	
Net Port Number	4 gigabit Ethernet ports
Control Area	2.3million pixels maximum Maximum Width: 4096pixels, 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
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
DVI 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 socket	AC power input	
3	USB_OUT	USB output, sender cascading supported	
4	USB_IN	USB input, connect with computer for configuration	
5	Audio input	Input audio signal and transmit to the multifunction card	
6	Output Port	RJ45, 4 outputs, connect to receiving cards	4 Gigabit Ethernet outputs support screen arbitrary splicing
7	DVI_IN	DVI signal input	
8	HDMI_IN	HDMI signal input	
9	HDMI_LOOP	HDMI loop output, for connecting or monitoring other senders	
10	Indicator panel	To show brightness value	
11	Brightness adjustment and test mode button	Adjust the brightness of the entire screen (16 levels); Display the whole screen test mode conversion	Press "+"and "－"together to switch between brightness adjustment and testing mode.

2. Dimension

unit：mm