Colorlight



X4e Controller

Specification

Colorlight (Shenzhen) Cloud Technology Co., Ltd.

X4e

Overview

X4e controller is a professional control system and video processing equipment specially designed for LED engineering applications. It equips various video signal interfaces, supports high-definition digital ports (SDI, HDMI, DVI, DP), and seamless switching between signals can be achieved; it supports broadcast quality scaling and multi-pictures display.

X4e adopts 4 Gigabit Ethernet outputs, and it supports LED display of 4096 pixels in maximum width or 2560 pixels in maximum height. Also, X4e equips a series of versatile functions which provide flexible screen control and high-quality image display, it has significant advantages in LED engineering applications.

Features

- Support various digital signal ports, including 2×SDI, 1×DP, 1×HDMI (with loop), 1×DVI (with loop)
- Support input resolution up to 1920*1200@60Hz
- Loading capacity: 2.6 million pixels,
  Maximum Width: 4096 pixels, Maximum Height: 2560 pixels
- Support arbitrary switching and scaling of video source
- Support three-picture display, the location and size can be adjusted freely
- Support HDCP1.4
- Dual USB2.0 for high speed configuration and easy cascading among controllers
- Support brightness and chromaticity adjustment
- Support improved gray-scale at low brightness
- Compatible with all receiving cards, multifunction card, optical fiber transceivers of Colorlight

Hardware

The Front Panel



No.	Name	Function
1	1.8-inch LCD	Display operation menu and system information
2	Knob	Turning knob to select or adjust
3	Function Keys	OK: Enter key ESC: Escape current operation or selection Bright: Brightness option Black: Blank screen Mode: Output mode selection of images Freeze: Freeze screen Lock: Lock keys
4	Selection Keys	DVI/HDMI/SDI 1/SDI 2/DP: Video source selection
5	Power Switch	Power switching for equipment

The Back Panel



Input Interface		
1	SDI	2 SDI inputs, 1080P
2	DP	DP input, VESA Standard, support input resolution up to 1920*1200@60Hz
3	HDMI	HDMI input (with loop), EIA/CEA-861 Standard, support 1920*1200@60Hz, support HDCP
4	DVI	DVI input (with loop), VESA Standard (support 1920*1200@60Hz), support HDCP
5	AUDIO	Audio input, input audio signal and transmit to the multifunction card
Output Interface		
1	Port1/2/3/4	RJ45，4 Gigabit Ethernet outputs
Controlling Interface		
1	USB OUT	USB output, cascading with next controller
2	USB IN	USB input, which connects with PC to configure parameters
3	Genlock	Genlock signal input ensures synchronism of display image
4	Genlock Loop	Genlock synchronous signal loop output
Power		
1	AC 100~240V	AC Power Interface

Specifications

Specification of complete machine	
Size	1U standard box
Input Voltage	AC 100~240V
Rated Power Consumption	20W
Working Temperature	-25℃~80℃
Weight	2kg

Dimension

Unit: mm

