



X2 Controller

Specification

X2

Overview

X2 is a professional LED display controller, it possesses powerful video signal receiving capacity, and supports multiple signal inputs, in which max input resolution is 1920*1200 pixels. Meanwhile, 2 Gigabit Ethernet outputs support big LED display of 4096 pixels in maximum width or 2560 pixels in maximum height.

X2 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 SDI×1, HDMI×1, DVI×1, VGA×1, CVBS×1;
- Support input resolution up to 1920*1200@60Hz;
- Loading capacity: 1.3 million pixels,
Maximum Width: 4096 pixels, Maximum Height: 2560 pixels;
- Support arbitrary switching of video input, and the image can be zoomed freely;
- Dual USB2.0 for high speed configuration and easy cascading;
- Support splicing and cascading among several controllers with synchronization strictly;
- Support brightness and chromaticity adjustment;
- Support improved gray-scale at low brightness;
- Support HDCP1.4;
- 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 TAKE: Switch input signal source PART: Screen clipping FREEZE: Freeze screen
4	Selection Keys	DVI/HDMI/SDI/VGA/CVBS: Video source selection

The Back Panel



Input Interface		
1	SDI	SDI input
2	HDMI	HDMI input
3	DVI	DVI input
4	VGA	VGA input
5	CVBS	CVBS input
6	AUDIO	Audio input, input audio signal and transmit to the multifunction card

Output Interface		
1	Port1/2	RJ45 , 2 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

Specifications

Input Index		
Port	Number	Resolution Specification
SDI	1	1080P
HDMI	1	EIA/CEA-861 Standard, support 1920*1200@60Hz, support HDCP
DVI	1	VESA Standard (support 1920*1200@60Hz), support HDCP
VGA	1	VESA Standard (support input resolution up to 1920*1200@60Hz)
CVBS	1	PAL/NTSC

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

