



Controller

Specification V1.6

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 [REDACTED]
- Loading capacity: 1.3 million pixels, maximum width: 4096 pixels, maximum height: 2560 pixels
- Support input resolutions up to 1920×1200@60Hz
- Support arbitrary switching and scaling of video source
- Separate audio input
- Support HDCP
- Support brightness and color temperature adjustment
- Support improved gray-scale at low brightness

Hardware

The Front Panel



NO	Name	Function
1	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: Blackout TAKE: Switch input signal source PART: Image cropping 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
Power		
1	AC 100~240V	AC power interface

Signal Format

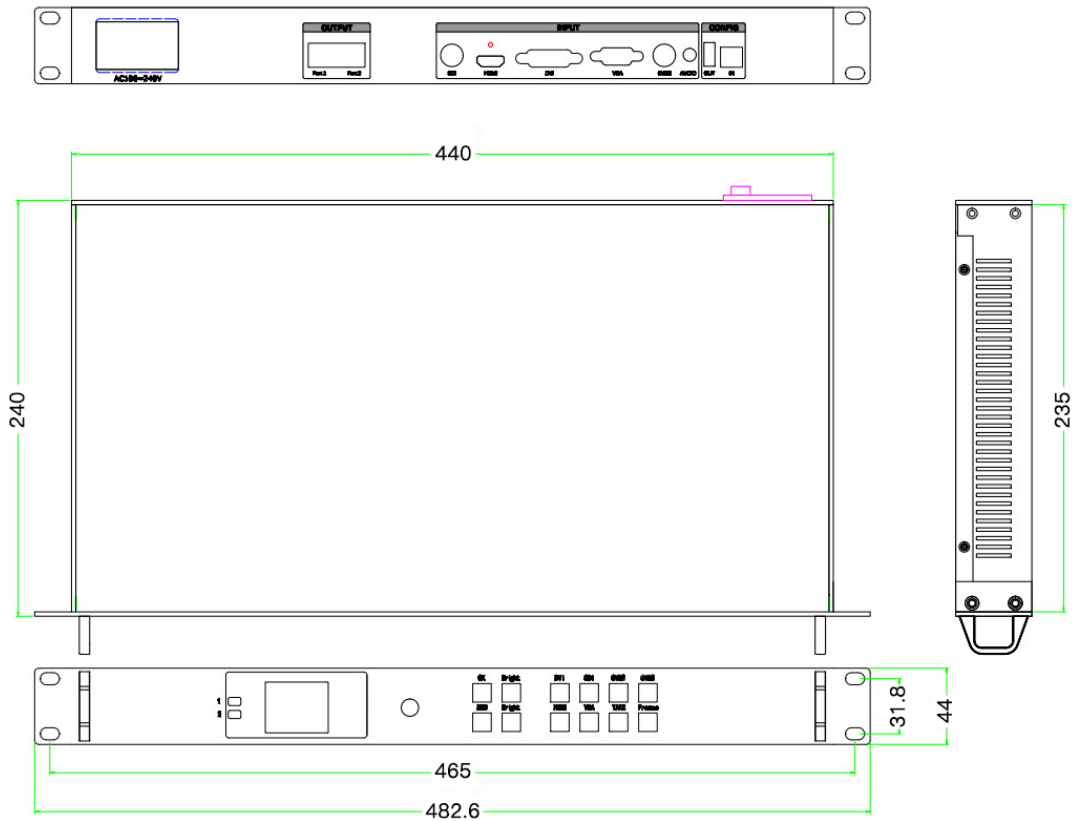
Input Index		
Port	Number	Resolution Specification
SDI	1	1080p, 1080i, 720p
HDMI	1	EIA/CEA-861 Standard, support 1920 × 1200@60Hz, support HDCP
DVI	1	VESA Standard (support 1920 × 1200@60Hz), support HDCP
VGA	1	VESA Standard (support input resolution up to 1920 × 1200@60Hz)
CVBS	1	PAL/NTSC

Specifications

Model		X2
Size		1U
Electrical Specifications	Input Voltage	AC100~240V, 50/60Hz
	Power	20W
Operating Environment	Temperature	-20°C~70°C/-4°F~158°F
	Humidity	0%RH~80%RH, non-condensing
Storage Environment	Temperature	-30°C~80°C/-22°F~176°F
	Humidity	0%RH~90%RH, non-condensing
Device Specifications	Dimensions	W×H×L/482.6×44.0×262mm/19"×1.7"×10.3"
	Net Weight	2kg/4.4lbs
Packing Specifications	Dimensions	W×H×L/523×95×340mm/20.6"×3.7"×13.4"
	Net Weight	0.7kg/1.54lbs

Dimension

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