



# X1 Controller

Specification

# X1

## Overview

X1 is a professional LED display controller. It possesses powerful video signal receiving and processing capacities, and supports HD digital signals, in which the maximum input resolution is 1920×1200 pixels. It supports HD digital ports including HDMI and DVI, and seamless switching between signals. It supports arbitrary scaling and cropping of video sources.

X1 adopts 2 Gigabit Ethernet outputs, and it supports LED displays of 4096 pixels in maximum width or 2560 pixels in maximum height. Meanwhile, X1 is equipped with a series of versatile functions which can provide flexible screen control and high-quality image displays. It can be perfectly applied to small LED displays.

## Features

- Supports 2 kinds of video input ports, including 1×HDMI and 2×DVI
- Supports input resolutions up to 1920×1200@60Hz
- Loading capacity: 1.31 million pixels, maximum width: 4096 pixels, maximum height: 2560 pixels
- Supports arbitrary switching, scaling and cropping of video sources
- Supports screen offset
- Dual USB 2.0 for high speed configuration and easy cascading among controllers
- Supports brightness and chromaticity adjustments
- Supports improved gray-scale performance at low brightness
- Supports HDCP 1.4
- Compatible with all receiving cards, multifunction cards, and optical fiber transceivers of Colorlight

## Hardware

### The Front Panel



No.	Name	Function
1	0.4-inch two digital	Displays brightness level
2	Indicator Light	Displays video signal status
3	Function Keys	+ : Enhances brightness - : Reduces brightness HDMI: Switches HDMI video source DVI 1: Switches DVI 1 video source DVI 2: Switches DVI 2 video source PART: Turn on/off the cropping function
4	Power Switch	Power switching for equipment

### The Back Panel



Input Interface		
1	HDMI	HDMI input HDMI 1.4 standard, supports 1920×1200@60Hz
2	DVI 1/2	2 DVI inputs DVI 1.0 standard, supports 1920×1200@60Hz
Output Interface		
1	Port 1/2	RJ45, 2 Gigabit Ethernet outputs
Controlling Interface		
1	IN	USB input, which connects with PC to configure
2	OUT	USB output, cascading with the next controller
Power		
1	AC 100~240V	AC power interface

## Specifications

Size	1U standard box
Input voltage	AC 100~240V
Rated Power Consumption	8W
Working Temperature	-40°C~70°C
Weight	2kg

## Dimension

Unit: mm

