



# Z4

Specification

# Super

# Z4 Super Controller

## Overview

Z4 is a professional LED display controller. As video splicer, processor and sender in one combined, Z4 has high capability of video signal reception, processing and transmission. It achieves excellent high-definition images and flexible image control function. Z4 can be applied to popular rental display and common fixed display perfectly.

## Features

- Video input ports including 1xHDMI(with loop), 1xDVI(with loop), 2xSDI, 1xDP;
- Input resolution up to 1920×1200@60Hz;
- The input images can be scaled according to the screen resolution;
- Supports PIP function, the location and size can be adjusted freely;
- Supports 12bit HD video source;
- Loading capacity: 2.3 million pixels; Maximum Width: 4096 pixels, Maximum Height: 4096 pixels;
- Supports splicing and cascading among several controllers with synchronization strictly;
- Supports brightness and chromaticity adjustment, color gamut transformation;
- Supports zero latency of sending;
- Supports improved gray-scale at low brightness;
- Supports HDCP1.4;
- Compatible with all receiving cards, multifunction card, optical fiber converters 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
4	Selection keys	Mode: Output mode selection of images Freeze: Freeze screen Lock: Lock keys DVI/HDMI/SDI1/SDI2/DP: Set up video source input

## The Back Panel



Input Interface		
1	HDMI	HDMI1.4 input with loop
2	DVI	DVI input with loop
3	SDI	2x3G-SDI inputs
4	DP	DP input
Output Interface		
1	Gigabit Ethernet	4 Neutrik Gigabit Ethernet outputs

<b>Controlling Interface</b>		
1	100M Ethernet	Network Control (communication with PC, or access network)
2	USB_OUT	USB output, cascading with next controller
3	USB_IN	USB input, connection with PC to configure parameters

## Specifications

<b>Input Index</b>		
Port	Number	Resolution Specification
HDMI	1	EIA/CEA-861 Standard, in accordance with HDMI-1.4 standard, support HDCP1.4
SDI	2	1080P
DP	1	VESA Standard (support input resolution up to 1920*1200@60Hz)
DVI	1	VESA Standard (support 1080P input), support HDCP

<b>Specification of complete machine</b>	
Size	1U standard box
Input Voltage	AC 100~240V
Rated Power	20 W
Working temperature	-25~80℃
Weight	2KG

# Dimension

Unit: mm

