



Z4 Super Controller

Specification

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), SDI×2, VGA×1;
- Input resolution up to 1920×1200@60Hz;
- Support PIP and picture window roaming, the location and size of PIP can be adjusted freely;
- Support 12bit HD video source;
- Loading capacity: 2.3 million pixels; Maximum Width: 4096 pixels, Maximum Height: 4096 pixels;
- Support splicing and cascading among several controllers with synchronization strictly;
- Support brightness and chromaticity adjustment, color gamut transformation;
- Support zero latency of sending;
- Support improved gray-scale at low brightness;
- Support HDCP1.4;
- Compatible with all receiving cards , multifunction card, optical fiber transceivers of Colorlight.

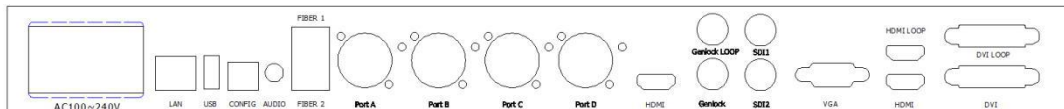
Hardware

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 Freeze: Freeze screen PIP: PIP switch
4	Selection keys	DVI/HDMI/SDI1/SDI2/VGA: 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	VGA	VGA input
Output Interface		
1	Fiber Output	2singlemode LC fiber outputs
2	Gigabit Ethernet	4Gigabit Ethernet outputs
3	HDMI	HDMI monitoring output
Controlling Interface		
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
4	GENLOCK	Genlock synchronous signal input, ensure synchronism of display image
5	GENLOCK_LOOP	Genlock signal loop output

Specifications

Input Index		
Port	Number	Resolution Specification
HDMI	1	EIA/CEA-861 Standard, in accordance with HDMI-1.4 standard, support HDCP1.4
SDI	2	480i、576i、720P、1080i/P
VGA	1	VESA Standard (support input resolution up to 1920*1200@60Hz)
DVI	1	VESA Standard (support 1080P input), support HDCP

Specification of complete machine	
Size	1U standard box
Input Voltage	AC 100~240V
Rated Power	20 W
Working temperature	-25~60°C
Weight	2KG

Dimension

Unit : mm

