Z4
Controller

Specification V1.6

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 1×HDMI(with loop), 1×DVI(with loop), 2×SDI, 1×DP
- 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
- 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

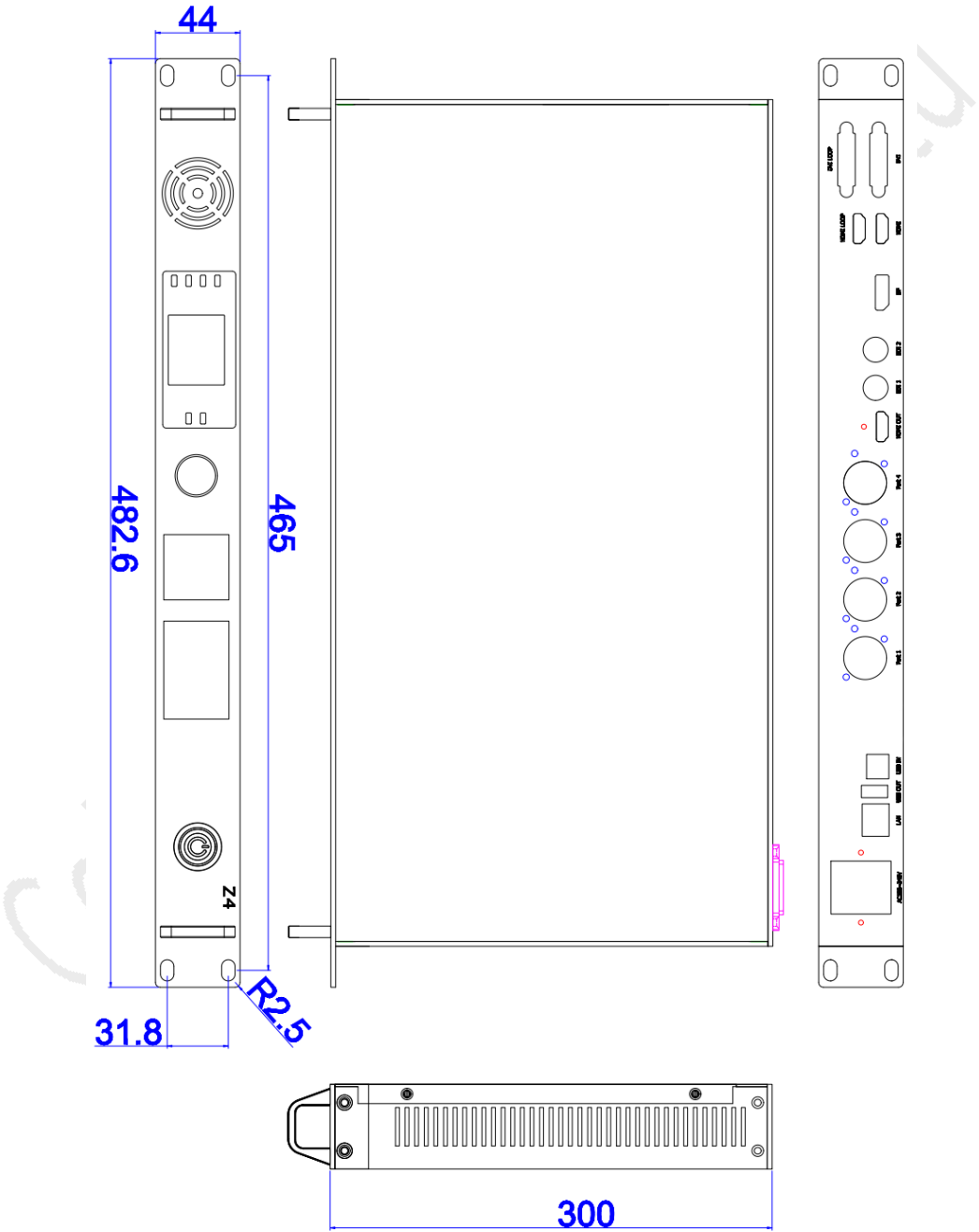| Input Interface		
1	HDMI	HDMI1.4 input with loop
2	DVI	DVI input with loop
3	SDI	2×3G-SDI inputs
4	DP	DP input
Output Interface		
1	Gigabit Ethernet	4 Neutrik Gigabit Ethernet outputs
Controlling Interface		
1	LAN	100M Ethernet, Network Control (communication with PC, or access network)
2	USB_OUT	USB output, cascading with next controller
3	USB_IN	USB input, connection with PC to configure parameters

Specifications

Input Index		
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

Specification of complete machine	
Size	1U standard box
Input Voltage	AC 100~240V, 50/60Hz

Rated Power	20 W
Working temperature	-20~70℃(-4°F~158°F)
Weight	2kg

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. We will constantly make improvements on technical