Colorlight

X7 Controller

Specification

Colorlight (Shenzhen) Cloud Technology Co., Ltd.

X7

Overview

X7 is a professional control system and video processing equipment specially designed for LED engineering applications. It equips various video signal interfaces, supports high-definition digital ports (SDI, HDMI, DVI), and seamless switching between signals can be achieved. It supports broadcast quality scaling and multi-pictures display.

X7 adopts 8 Gigabit Ethernet outputs, and it supports LED display of 8192 pixels in maximum width or 4096 pixels in maximum height. Also, X7 equips a series of versatile functions which provide flexible screen control and high-quality image display, it has significant advantages in LED engineering applications.

Features

- Supports various digital signal ports, including 1×SDI, 1×HDMI, 2×DVI

- Supports input resolution up to 1920×1200@60Hz

- Loading capacity: 5.2 million pixels, Maximum width: 8192 pixels, Maximum height: 4096 pixels

- Supports arbitrary switching and scaling of video source

- Supports three-picture display, the location and size can be adjusted freely

- Supports HDCP1.4

- Dual USB2.0 ports for high speed configuration and easy cascading among controllers

- Supports adjustment of brightness, chromaticity, contrast ratio, tone, and saturation

- Supports improved gray-scale at low brightness

- Compatible with all receiving cards, multi-function card, optical fiber transceivers of Colorlight
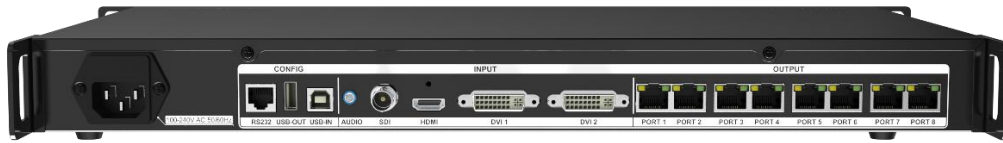
Appearance

Front Panel

No.	Name	Function
1	Full-color 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 Part：Screen clipping Mode: Output mode selection of images
4	Selection Keys	DVI 1/DVI 2/HDMI/SDI: Video source selection
5	Power Switch	Power switching

The Back Panel

Input Interface		
1	DVI	2×DVI input VESA Standard (support 1920 × 1200@60Hz), supports HDCP
2	HDMI	HDMI input EIA/CEA-861 Standard, supports 1920 × 1200@60Hz, supports HDCP
3	SDI	SDI input, compatible with 3G-SDI, HD-SDI, SD-SDI
4	AUDIO	Audio input, use with multi-function card (optional)
Output Interface		
1	Port1/2/3/4/5/6/7/8	RJ45，8 Gigabit ethernet outputs
Controlling Interface		
1	USB IN	USB input, connect with PC to configure parameters
;2	USB OUT	USB output, cascading with next controller
5	RS232	RJ11interface，connected with central control
Power		
1	AC 100~240V	AC power Interface

Specifications

Specification of complete machine	
Size	1U standard box （482.6mm×44mm×237.5mm）
Input Voltage	AC 100~240V
Rated Power Consumption	25W
Working Temperature	-40℃~70℃
Weight	2.3kg

Dimension

Unit: mm