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**X7** Controller

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**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**



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| **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 keyESC: Escape current operation or selectionBright: Brightness optionPart：Screen clippingMode: 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**



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| **Input Interface** |
| 1 | DVI | 2×DVI inputVESA Standard (support 1920×1200@60Hz), supports HDCP |
| 2 | HDMI | HDMI inputEIA/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**

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| **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

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