



Description

An ultra-4K professional master controller with powerful video signal input and processing capabilities, supporting 4K video signal input through DP 1.4 and HDMI 2.0 interfaces, and 2K video signal input through HDMI 1.4 and DVI interfaces, and supporting seamless switching between multiple signals; a single machine supports a maximum load of 10.48 million pixels, with a maximum load width of 16384 pixels and a maximum height of 8192 pixels; supports 16-way Gigabit network ports, which can greatly meet the needs of different customers; it also has a series of rich and practical functions, providing flexible screen control and high-quality image display.

Features

1. Equipped with power reverse connection protection circuit to prevent damage caused by reverse power connection.
2. Supports seam repair function, which can eliminate the bright and dark lines between display units without affecting the original correction coefficient.
3. It has color restoration technology that can truly display the original color of the image based on the display characteristics of the LED screen.
4. Supports rotating the receiving card screen to achieve 90 degrees, 180 degrees, 270 degrees, and mirror image display.
5. Supports intelligent serial connection function. Users can complete the mapping settings on the software according to the flashing prompts on the screen.
6. Support one-key readback. All configuration file information can be read back with one key through the software, which is convenient for product maintenance.
7. To ensure the stability of signal transmission, the image data is delayed by only one frame from the sender to the receiver.
8. Support data group exchange, the HUB interface data group exchange can be modified and solidified into the receiving card.
9. Supports arbitrary frequency doubling technology, which can effectively eliminate the scan lines that appear when shooting with a mobile phone.
10. To ensure the safety of product use, the product has anti-electric shock and energy hazard protection characteristics.
11. Support the backup function of the receiving card network port. In the backup state, the receiving card network data is transmitted in both directions to ensure the normal broadcast of the display screen.
12. Support 3D display function. With 3D sending controller or 3D image processor, the screen can have 3D display effect.
13. To ensure the color consistency of the screen, it supports point-by-point correction of brightness and chromaticity, provides correction of low gray compensation, and ensures low gray display effect.
14. Support one-key repair. There is no need to re-debug the card when maintaining it. The parameter settings can be restored with one key. It supports arbitrary switching, cropping, splicing and scaling of video signals.
15. To ensure system information security, the core computing chip of this product adopts high-performance domestically produced chips.
16. Users can use the control software to identify the version of the receiving card. The software will automatically recommend firmware upgrades to prevent firmware errors from loading and support video synchronization phase lock technology.
17. To ensure the display effect, the brightness efficiency of the receiving card is relatively independent of the refresh rate and grayscale level. The brightness efficiency can be adjusted alone without causing changes in the other two parameters.
18. The control system (including multi-screen splicing device, video controller, independent master control, synchronous receiving card) shall use products of the same brand from the same manufacturer. OEM is strictly prohibited.
19. Support 4K video signal input through DP 1.4 and HDMI 2.0 interfaces, and support 2K video signal input through HDMI 1.4 and DVI interfaces, and support seamless switching between multiple signals; a single machine supports a maximum load of 10.48 million pixels, with a maximum load width of 16,384 pixels and a maximum height of 8,192 pixels; support 16-channel Gigabit network ports, support high-gray high-refresh, low-brightness high-gray display, which can eliminate detail problems such as dark lines, low-gray reddish, and ghosting.



Specification

Input Interface	
HDMI2.0*1	EIA/CEA-861 standard, compliant with HDMI 2.0 standard, supports 4096*2160@60Hz, backward compatible with HDMI 1.4 and HDMI 1.3, supports audio input
DP 1.4*1	DP 1.4 specification, support EDID settings, support 4096*2160@60Hz, support audio input
DVI*2	Support HDCP 1.4, support 1920*1200@60Hz
HDMI1.4*2	Support HDCP 1.4, support 1920*1200@60Hz, support audio input
AUDIO IN*1	Audio input, can receive audio input from computers and other devices
Output Interface	
Port*16	RJ45, 16-channel 1G network port output, can be spliced up and down, left and right
AUDIO OUT*1	Audio output, can output audio to active speakers and other devices (support HDMI, DP audio analysis output)
Control interface	
RS232*1	RJ11 (6P6C) interface, can be connected to the central control
LAN*1	100M Ethernet port, can connect to LAN control equipment
USB_OUT*1	USB output, for cascading between devices
USB_IN*1	USB input, connect to PC for parameter debugging
Working power supply	100-240VAC, 50/60Hz
Device size	W*H*L/482.6mm*103.0mm*415.1mm (2U standard chassis)
Equipment weight	4.8Kg
Rated Power	50W