

LM-VC73 LED video processor

1th. Product descriptions

LM-VC73 video processor is a high-performance full-color LED video processor, using advanced European and American image processing chip for scheme design. The product design uses 30 bit digital image processing technology, advanced de-interlacing signal processing and true seamless handover technology for professional demonstration environment.

Compared with ordinary LED full-color video processor on the market, LM-VC73 support the highest resolution ratio that can reach 3840x660@60HZ; support 1 DVI and 2 HDMI, 2 VGA, 2 BNC signal, a total of 7 input signals, and can be customized according to user needs audio function.

2th. Product features

1) Multiple input interfaces

Support 2 SD, 2 VGA, 2 HDMI and 2 DVI signal inputs, and almost meet all of your project's signal requirements.

2) Multiple output interfaces

Support 1 HDMI, 1 DVI and 1 VGA signal synchronous output, HDMI and DVI can be connected to transmission module, VGA can be used for video signal synchronization monitoring system.

3) Output a variety of resolution ratio

1024X768@60HZ 1280x720@60HZ 1280x720@50HZ 1440x900@60HZ 1280x1024@60HZ
1366x768@60HZ 1600x1200@60HZ 1680x1050@60HZ 1920x1080@60HZ 1920x1080@50HZ
1920x1200@60HZ 1024x1280@60HZ 2048x640@60HZ 2048x1152@60HZ 2304x1152@60HZ
2560x816@60HZ 1536x1536@60HZ 3840x660@60HZ

4) Seamless handover

It is fast handover and fade-in and fade-out for the input signal, and no black screen during handover, in this way, we can enhance and present the professional quality of the demo screen, Meanwhile, we can simultaneously realize the audio and video signal synchronization handover. The following is the fade-in and fade-out effect:



Before handover.



In handover.



After handover.

5) The PIP of an arbitrary position and size

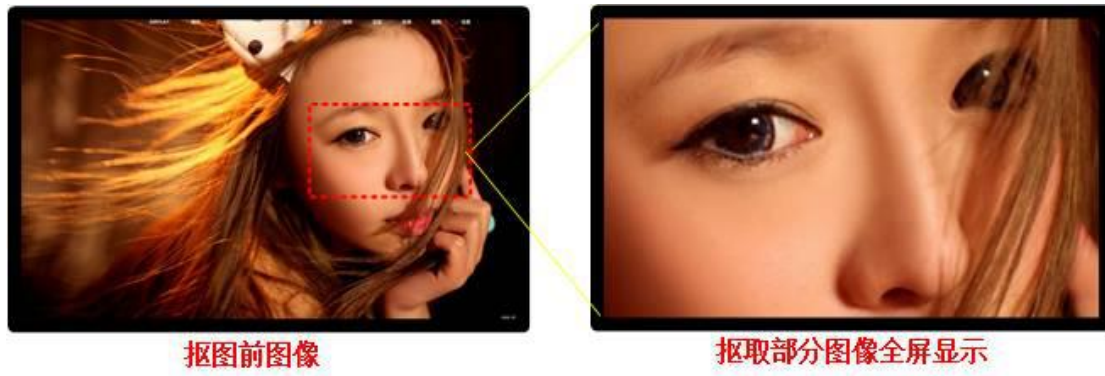
The signal source, the PIP screen size, screen position can be adjusted, truly arbitrary control.

Image capture function



6) picture capture function

The user can cut any part of the input signal according to its own requirements and display it in the full screen of the large display unit, as shown in the following picture:



7) audio customization independent audio output

Support to customize all audio input signals to switch synchronously. The HDMI signal is embedded with audio, VGA, DVI and BNC signals are embedded with audio, and the HDMI is embedded with audio output. And it supports an independent audio output .

8) picture freeze

Support screen freeze feature, so you can always capture video wonderful moments;

9) One button black screen

Support one button black screen switching function, sometimes it is convenient to completely close the display content or reduce indoor brightness of the place;

10) broadcast level image scaling engine

Using a high-performance 30 bit Faroudja® DCDi image scaling engine, The resolution of the signal can be converted by the downward or upward at various resolution ratios.

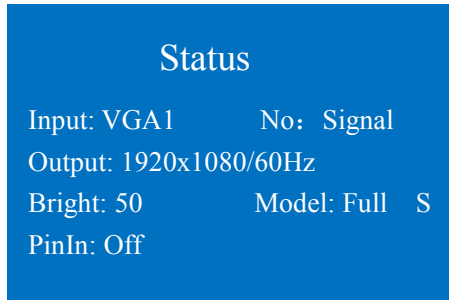
11) A LED video processor that can be spliced

Multiple LED video processor by adding the signal distributor in the front, and then set by simple

splicing, do not need to buy expensive splicing controller can realize super resolution, LED full color display, the largest number of splicing to 10x10;

12) LCD interface

There is a built-in LCD display screen in the Front panel of the device , the screen can display directly the machine working state, such as the signal source, input resolution, switching mode, PIP mode switch etc....



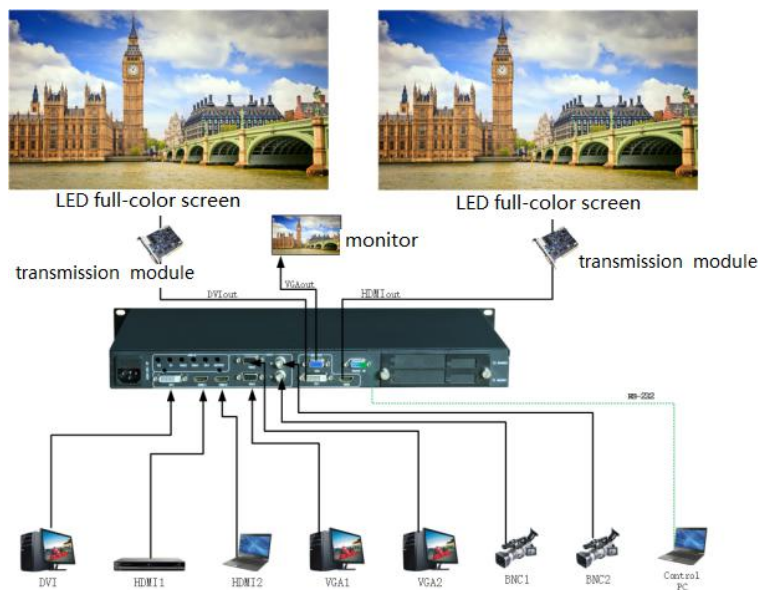
13) Clear push-button navigation

All equipment buttons built-in indicator light, through the chassis button indicator navigation, you can very directly see the device working conditions, such as the current display signal channel, seamless splicing mode...

14) A variety of control methods

The full function control of the equipment can be realized by the key of the cabinet, and the interface control software can also be supported by RS-232, infrared remote control and open control code central control

3th.Wiring and installation



4th.Product pictures



Front panel



Back panel

5th、 Technical specifications

Video input		
port	Number	Supported Standards
Compound (BNC input)	2	PAL、 NTSC、 PAL-M/N、 SECAM
VGA(DB-15)	2	VESA standard , PC to 1920x1200 , HD to 1080p
HDMI 1.3a	2	480i/p、 576i/p、 720p、 1080i/p, color depth supports 8, 10, and 12 bits
DVI	1	VESA standard , PC to 1920x1200 , HD to 1080p support 1 loop out
Video output		
HDMI	1	1024X768@60HZ 1280x720@50HZ 1280x1024@60HZ 1280x720@60HZ 1440x900@60HZ 1366x768@60HZ
DVI	1	1600x1200@60HZ 1920x1080@60HZ 1920x1200@60HZ 1680x1050@60HZ 1920x1080@50HZ 1024x1280@60HZ
VGA	1	2048x640@60HZ 2304x1152@60HZ 2560x816@60HZ 1536x1536@60HZ 3840x660@60HZ 2048x1152@60HZ
Auxiliary		
Power supply	100VAC – 240VAC 50/60HZ	
power consumption	20W	
weight	3.5KG	
Chassis size	44cmx24cmx4.4cm	