



LM-VC41

LED Video Processor

User Manual

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For your and equipment safety, please make sure to read the safety instructions carefully before using the equipment.

If you have any queries during use, please read this manual first. There is a detailed description of the device operation in the text. If you still have any questions, please contact us and we will give you a satisfactory reply as soon as possible.

Please pay attention to the following when installing the equipment:

Follow the precautions for general industrial equipment when installing the equipment.

1st Product Introduction

LM-VC41 is a simple LED full-color video processor designed with advanced image processing chips.

Compared with the conventional LED full-color video processor in the market, LM-VC41 is easy to operate, and the image of LED Screen can be set by one remote control, which can achieve the image display effect of LED full-color full screen;

LM-VC41 supports the highest resolution up to 1920x1080@60Hz, which meets most of the showrooms' product display;

It supports 1 VGA 1 HDMI, 1 USB (**USB cannot make full screen to LED**), 1 composite video total 4 signal inputs, with 3.5mm independent audio output.

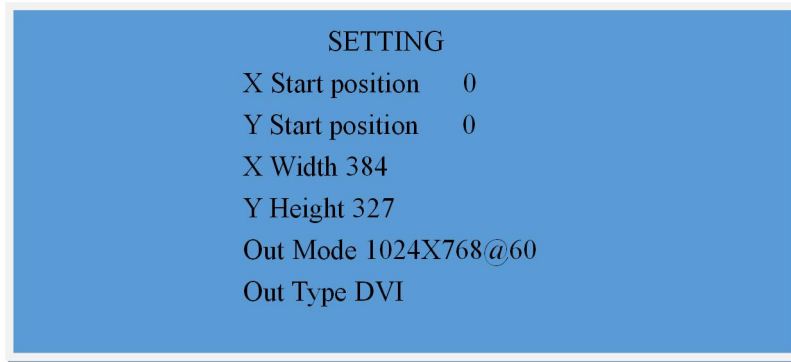
2nd Main Functions

- Support Remote to make quick setting for the device, simple, convenient and easy to use;
- 1 composite video, 1 VGA, 1 HDMI, 1 USB total 4 signal inputs;
- 1 HDMI output connect with LED sending card;
- Support Panel Button, IR Remote, RS-232 serial port control;
- Small Chassis, greatly reduce placing space for many showrooms.

3rd Detailed Introduction

1. Remote Setting

LED Width, LED Height, X Start position, Y Start position can be set by remote, simple and convenient. At the same time, input signal source switching, output resolution and so on can also be quickly switched by remote control. The operate menu is shown below:



2. Multiple Input Ports

LM-VC41 supports 1 Composite Video, 1 VGA, 1 HDMI, 1 USB signal input (**USB cannot make full screen to LED**), all input signals are embedded or binding with external audio.

1 HDMI and 1 3.5mm aperture audio port output, with remote or control software can switch any one of the 4 input signal to 1 output display unit, and audio and video synchronous switching.

3. Customized Audio

LM-VC41 comes with standard Audio Function. All input signals are embedded or binding with external audio, and audio can be played synchronously through the device's 3.5mm earphone hole.

4. U-disk(USB) Play Function(**USB cannot make full screen to LED**),

Product supports USB port. User can insert a U-disk to our device to play the videos, photos, TXT files, MP3 inside. Advertising, product exhibitions etc. in many places only need to display some videos or photos, in this way only a U-disk is enough, no need to configure computer or player separately, easier to use.

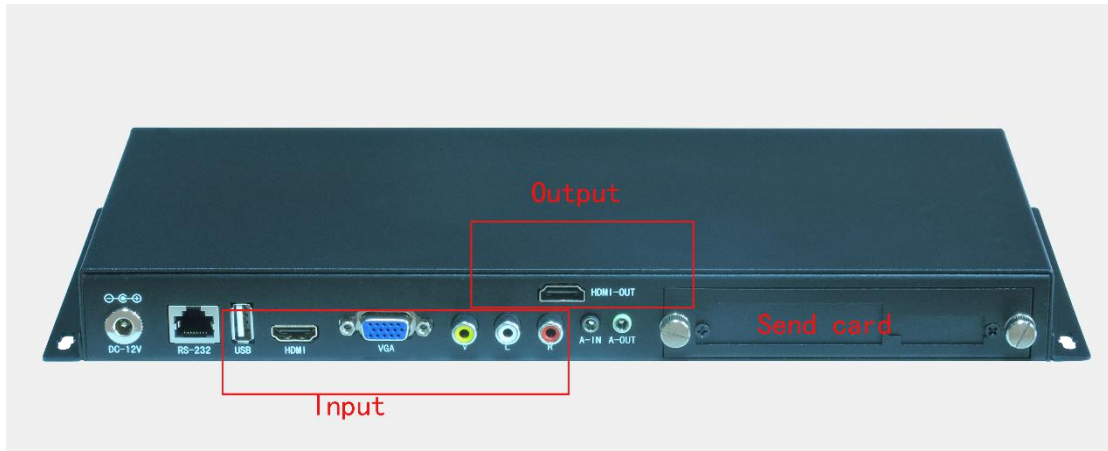
4th Panel Description

Front Panel



- (1) **HDMI:** Switch the input signal to HDMI;
- (2) **VGA:** Switch the input signal to VGA;
- (3) **VIDEO:** Switch the input signal to VIDEO;
- (4) **USB:** Switch the input signal to USB;
- (5) **RESOLUTION:** Switch resolution;

Back Panel



5th Remote Description

MENU: Menu;

UA1: Switch input signal to HDMI;

UA2: Switch input signal to VGA;

UA3: Switch input signal to VIDEO;

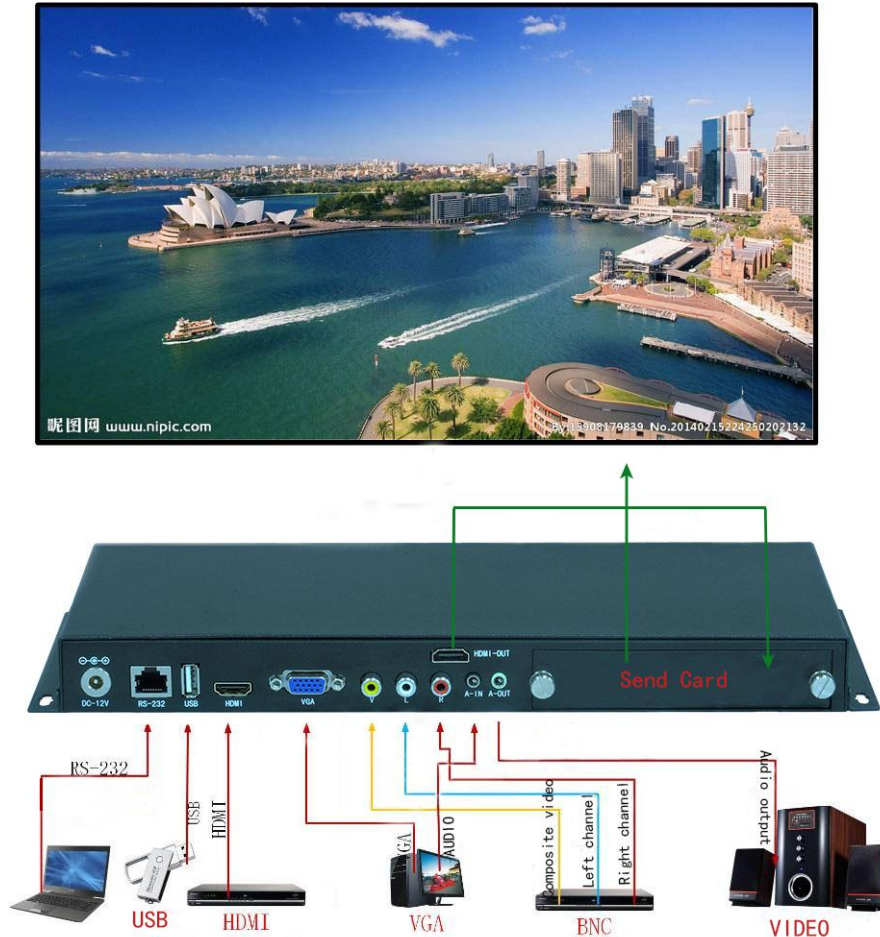
UA4: Switch the input signal to USB;

7: Switch resolution;



6th Connection Diagram

1. Wiring Diagram



2. Equipment Installation

2.1. First ensure that the graphics card directly controls the sending card without using the LED video processor, and the large screen can display the image normally;

2.2. Then connect the VGA or HDMI interface of the signal source to the input port of the video processor, and connect the HDMI output port of the processor to the sending card;

2.3. Ensure that the wiring is correct and power on to turn on the video processor.

Note: In order to facilitate the flexible use of the customer, the processor provides the loadability of the sending card, that is, the sending card can be installed in the processor, and the processor supplies power to the sending card, thereby getting rid of the necessity of being powered by the desktop. The installation method is as follows:

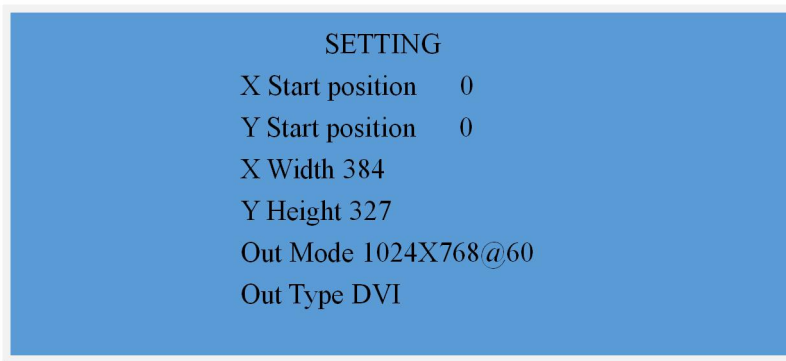
- (1) Loosen the knob on the rear panel and pull it out to remove the temporary baffle;
- (2) A four-wire small plug-in head is reserved in the processor, As shown below, which corresponds to the corresponding slot on the sending card.
Dock it and fix the send card to the video processor.



- (3) Re-install the pull box and connect the HDMI output port of the processor to the sending card.

7th Equipment Commissioning

1. Press the menu of the remote control and enter the main menu of the device, as shown below:



2. The output settings

2.1. Set screen size

- 2.1.1 Open the menu, use the up and down keys to select the change option, and use the left and right buttons to change the option value.

X Start position 0 is the horizontal starting point; Y Start position 0 is the vertical starting point;

X Width 384 is the horizontal width; Y Height 327 is the vertical height.

- 2.2. Set the LED screen resolution: Move to the Out Mode 1024X768@60 with the up and down keys, and select the output resolution with the left and right buttons.

8th Specification

Video Input		
Interface	Quantity	Specification
USB	1	Standard USB 2.0, support U-disk, with embedded audio; Support Video/Photo/MP3/TXT format; Video support coding format: USB Decoding Video Format: Mpeg1,2,4 (1920*1080@30P and below); Divx, Xvid (1920*1080@30P and below); RM,RMVB (1920*1080@25P and below); H.264 (1920*1080@30P and below); VC-1 (1920*1080@30P and below); MJPEG (640*480@30P).
VGA	1	VESA Standard, PC to 1920x1200, HD to 1080p
HDMI	1	480i/p、576i/p、720p、1080i/p, Color Deep support 8、10、12 bit
Composite Video	1	Automatic recognize NTSC, PAL or SECAM standard, binding 1 channel 3.5 audio interface;
Video Output		
HDMI (compatible with DVI)	1	1024x768@60Hz, 1280x720@60Hz, 1920x1200@60Hz
General Specification		
Power	DC 12V 3A	
Power Consumption	20W	
Weight	1.4 KG	
Chassis Size	31.7cm(L) x14.4cm(W)x3.1cm(H)	
Note: Technical parameters are subject to change without prior notice		



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