

LM-R41 rotation controller

I Product overview

LM-R41 rotation controller is a high-performance smart phone cast screen controller. Its main function is to make the interface of the smart phone cast to the vertical screen even on the LCD TV or other display units placed vertically. At the same time, it can also intercept part of the source of the computer or player, so that the image is displayed on the vertical LCD screen without distortion.

LM-R41 can auto cut the black border of the smart phone signal on the vertical screen, and can also be fixed at a ratio of 9:16. Users can connect to the machine through a wireless or wired screen projector to complete the mobile phone vertical screen projection function.

II Main functions

- 4 HDMI signals input;
- The input signals can be switched via remote;
- one port supports 4K@60Hz, other ports support 4K@30Hz;
- 1 HDMI signal output, the resolution up to 3840x2160, and support 1080P, 720P;
- The signal can be rotated 90, 180, 270 degree;
- Support image upside down, left right mirror;
- Support smart phone dongle, computer, android player...

III Detailed Description

1、Input signal

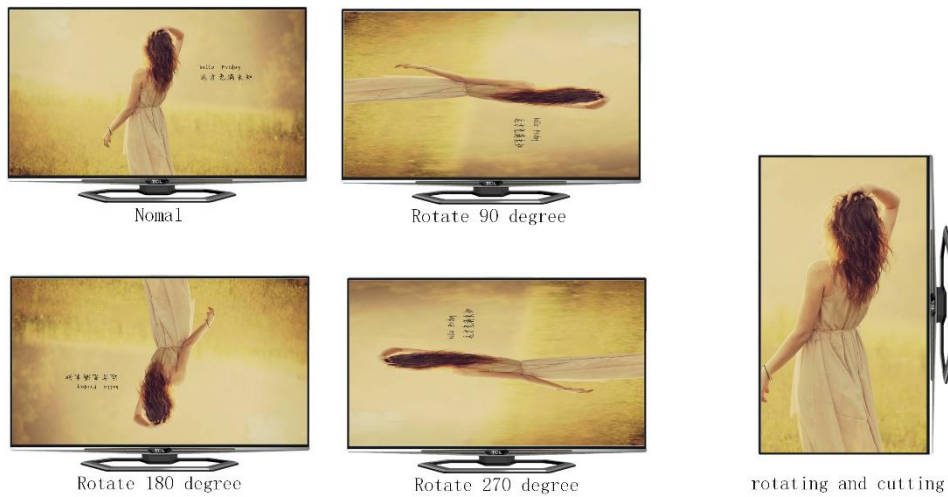
Support 4 HDMI signals, one of the inputs signal can support up to 3840*2160@30Hz, other inputs can support up to 3840x2160@30Hz and backward compatible. HDMI can be connected to smart phone via smart phone display dongle.

2、Output signal

1 HDMI signal output, 1 audio stereo audio output, the output resolution is up to 3840x2160 @ 60Hz, it also can switch to 1920x1080@60Hz and 1280x720@60Hz output;

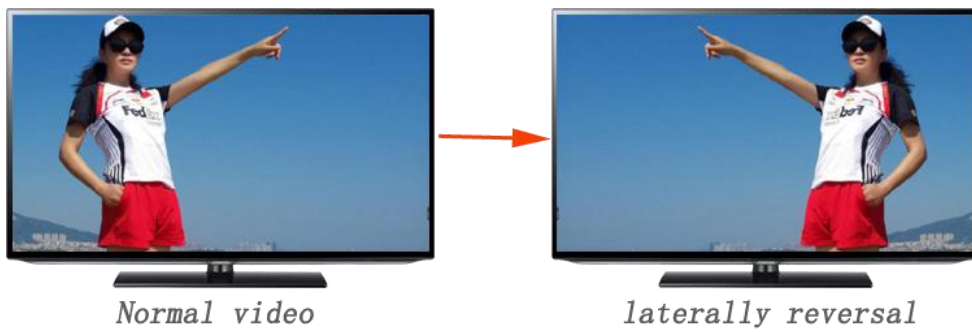
3、Rotation function

The signals can be rotated by 90 degrees, 180 degrees, and 270 degrees through remote control and chassis buttons, which can be used in certain places where image rotation is required, as shown in the following figure:



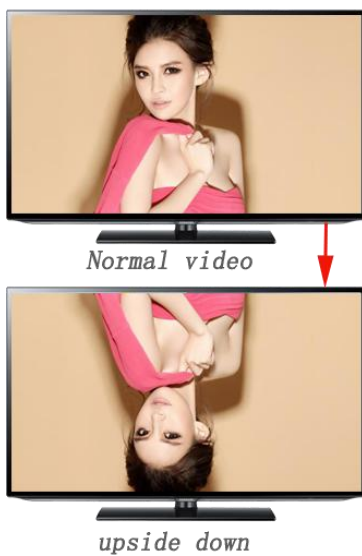
4 、 Left/right mirror

By setting, the signal can be reversed left and right, not upside down, that is, the left and right mirroring function, as shown in the following figure:



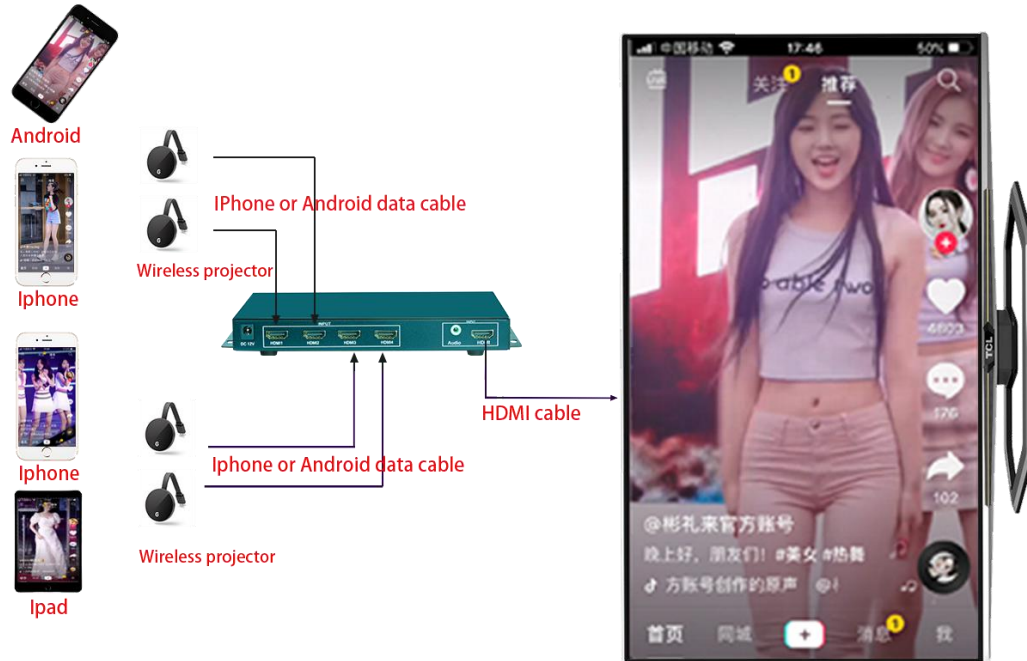
5、 Up/down mirror function

The image is reversed up and down, left and right not reversed, that is, the up and down mirroring function, as shown in the following figure:



6、Smart phone cast screen function

Through the LM-R41 vertical screen projector, 4 input signals can be switched and displayed, realizing the same screen of the mobile phone screen to the LCD TV, advertising machine or other display units placed vertically, as follows:



7. Computer signal cutting

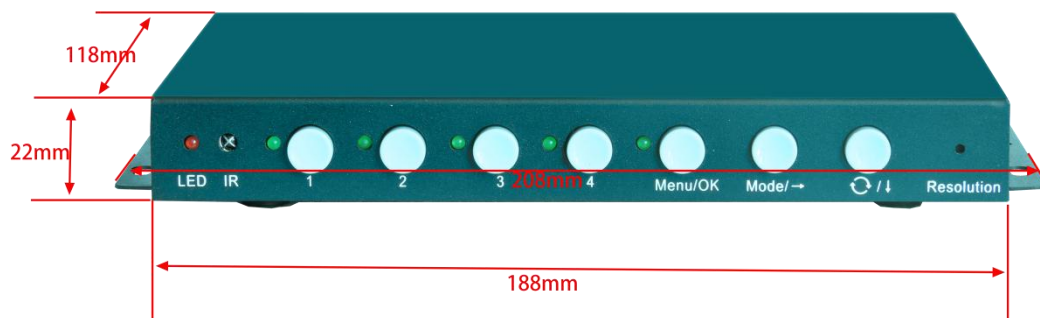
At the same time, through LM-R41, the signal output by the computer or player can be rotated by 90 degrees and a part of the image can be extracted, so that the image is displayed on a vertical LCD TV or other display unit without distortion, as shown in the following figure Show:



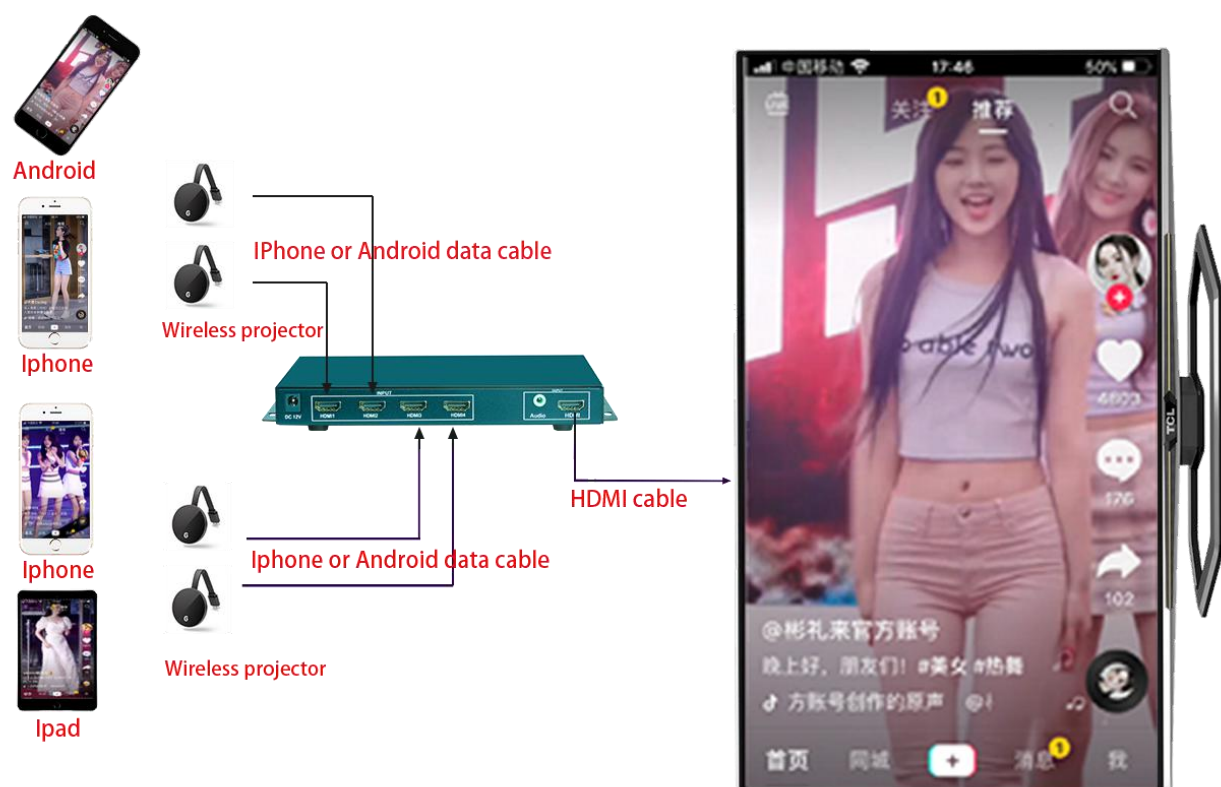
IV Way to control

Through remote control, chassis button control signal switching, image rotation, image removal black border functions, the operation is simple and convenient.

V Image and size



VI System topology



VII Technical parameter

Name	specification
Input signals	
HDMI x 4	HDMI 2.0 x1, HDMI 1.4 x3
Output signals	
HDMI x 1	HDMI 2.0; 1280x720@60Hz, 1920x1080@60Hz, 3840x2160@60Hz
Audio x 1	3.5mm headphone jack, support L R stereo
Other	
Way to control	Remote buttons
power	12V/2A
Power consumption	10W
Chassis size	188mm (L) x118mm (W) x22mm (H)
Weight	0.5Kg