LED-F902
LED Video Control Server

MAGNIMAGE

LED–F902 is a video controller that integrates video processor and sending card function.It has a variety of video image input interfaces,including 1×HDMI2.0, 1×DVI(HDMI1.4)&DP1.1, 1×DVI, and one audio input, expandable with 1×3G SDI. The output supports 4 ports of gigabit Ethernet（2 main 2 backup）, 1×HDMI LOOP and one audio output. the loading capability of single port can reach 2.2M pixels(60Hz)， The whole machine loading up to 4.4 million pixels.maximum width can be 8192 and maximum height can be 3840, and support customized output resolution.

LED–F902 support the function of quick light–up screen without computer software connection, greatly simplify the setting steps.
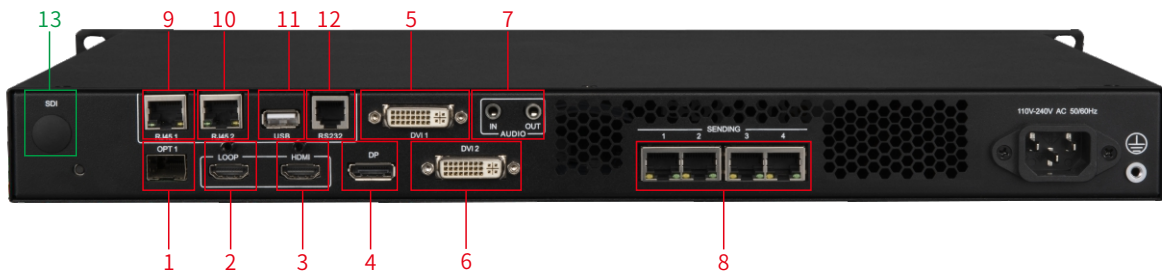
Features

- 4 layers display
- Input EDID management
- Smart sequencing
- Support Key lock
- Support scrolling caption
- Support 4K*2K/60Hz(HDMI 2.0) input
- Support layer size and position adjustment and image crop
- Quick light–up screen, no need computer software connection
- 4 channels gigabit Ethernet output（2 main 2 backup)
- Support customized output resolution

- Free image zooming
- Save and load template
- Multi–cascade mosaic
- Free cable connection
- Seamless switching for input source and preset
- Support external independent audio input/output
- Support connection with C–Link series receiving card
- Single input signal cut switch seamless switching with no black screen
- Support network interface communication, wireless control screen

⟋ Panel Introduction

❶ Power switch   ❷ LCD display   ❸ Knob/OK/Return button

❹ Layer selection button   ❺ DVI 1   ❻ DVI 2

❼ HDMI   ❽ DP   ❾ OPT

❿ SDI   ❿ USB control port
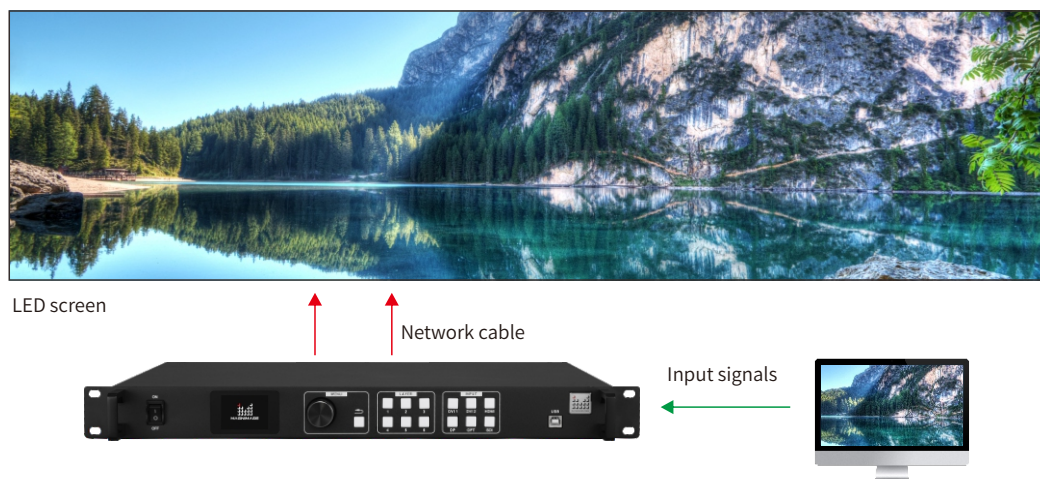

❶ OPT 1   ❷ HDMI LOOP   ❸ HDMI 2.0 input

❹ DP 1.1 input   ❺ DVI1 input   ❻ DVI 2 input

❼ Audio input/output   ❽ 4 channels gigabit Ethernet output   ❾ RJ45-1

❿ RJ45-2   ⓫ USB upgrade port   ⓬ RS232 control port

⓭ 3G SDI (Optional)

⬙ Main Features and Characteristics

◉ Fast light-up screen

LED-F902 can quickly configure parameters of whole LED screen (including screen connection/resolution setting/display size setting ect.) through guide menu, knob and button, light-up screen in a few steps, no need computer software connection.

LED screen

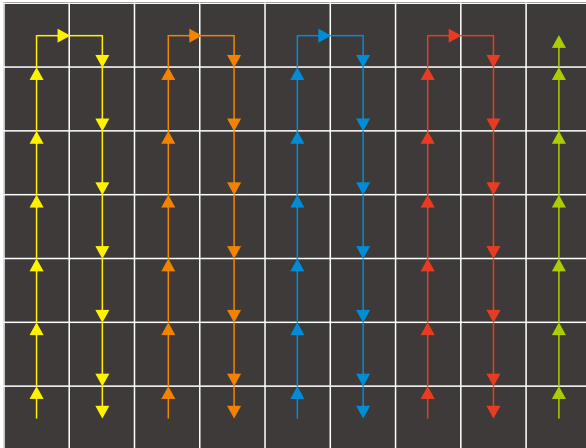Network cable

Input signals

◉ Optical port transmission

Optical port is connected to fiber converter through optical fiber which is converted to network cable to connect to LED screen,solving the problem of long-distance transmission.
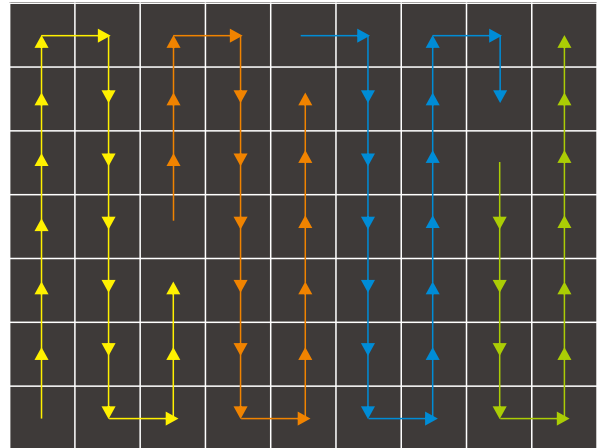
Network cable

Fiber converter

Optical Fiber

Input signals

⬙ Main Features and Characteristics

◉ Free cable connection

Each grid can be used according to the actual number of grid points in the box, and neither folding nor leaving the grid empty takes up the grid area, which is no longer limited to a single grid area that must be a rectangle, thus effectively increasing the utilization rate of the grid port without wasting the performance of the equipment.
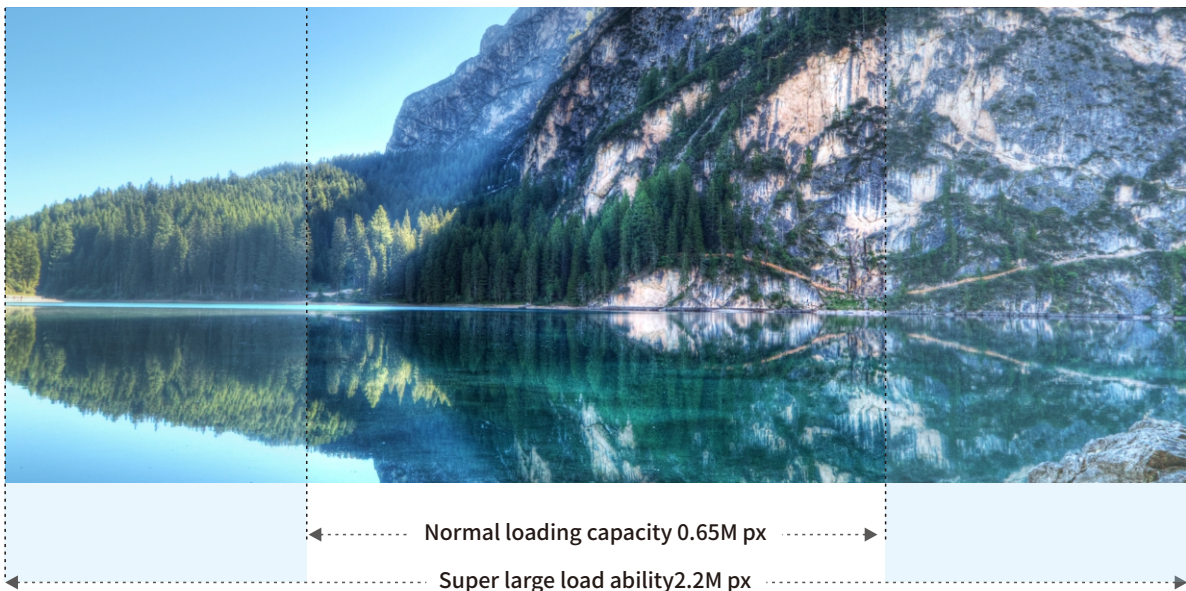

Traditional cable connection   Free cable connection

◉ Super large load ability

Breaking through the tradition with unique super large loading function,the loading capability of single port can reach 2.2M pixels(60Hz).
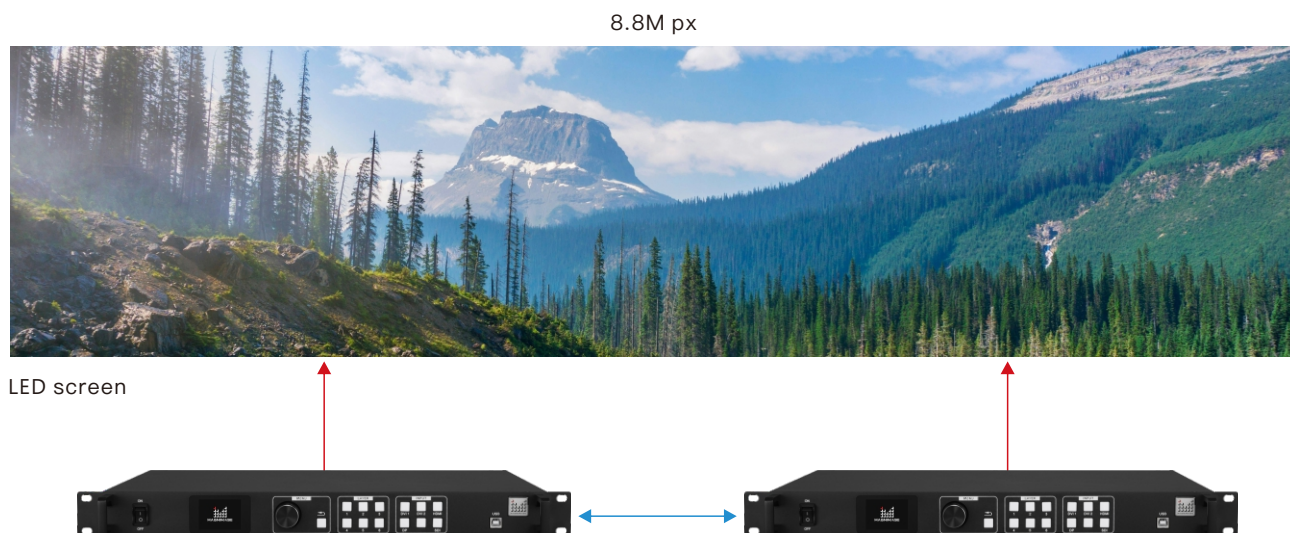

Normal loading capacity 0.65M px

Super large load ability2.2M px

✏ **Main Features and Characteristics**

◉ Audio split output

Support external audio input/output, HDMI audio split output.

LED screen

HDMI input   Audio cable

Audio

◉ Multi−cascade mosaic

Support multi−machine concatenation, easy to achieve large resolution LED screen splicing.

8.8M px

LED screen

▱ Main Features and Characteristics

◉ Scrolling caption

Edit text content, size, color, scrolling speed and background color through software.
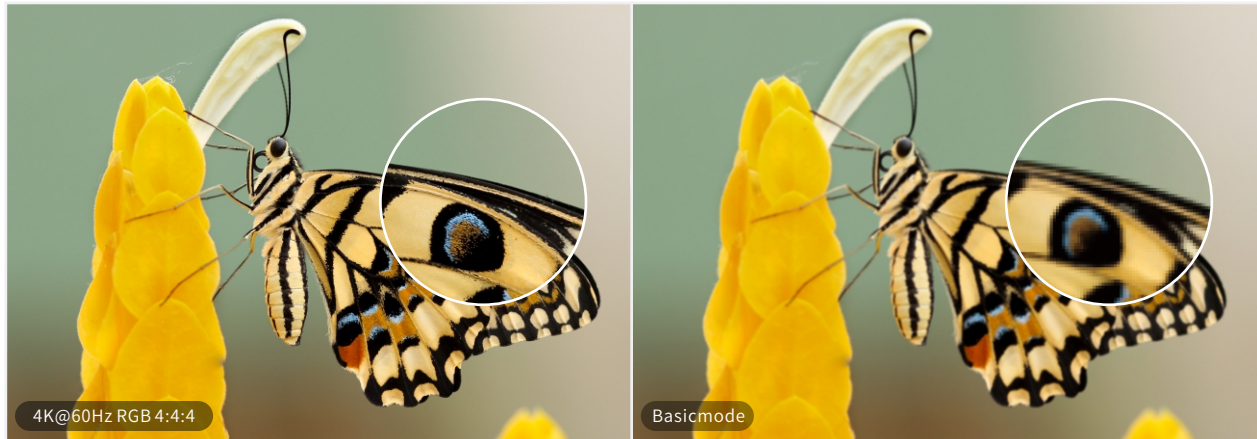

◉ 4 layers seamless switching

LED–F902 can realize 4 independent layers output,and the size/position can be adjusted arbitrarily.Single input signal cut switch or multi–layers seamless switching with no black screen.

Seamless switching

◉ 4K@60Hz RGB 4:4:4

Input, output and internal processing are all RGB 4:4:4 sampling, which can accurately restore the signal source image details. The image display is clear and delicate. At the same time, there is no frame reducing or losing for the whole channel processing of the processor, so the video is played more smoothly, and the image details are fully displayed

▱ Technical parameters

Model

Model	Specification
LED–F902	Standard model
LED–F902S	Standard model+3G SDI input port*1

Input specification

Port	Quantity	Resolution specification
DVI 2	1	HDMI1.4 protocol,3840×1080/60Hz and customized
DP1.1	1	3840×1080/60Hz and customized
HDMI2.0	1	3840×2160/60Hz and customized
DVI 1	1	HDMI1.4 protocol,3840×1080/60Hz and customized
3G SDI(Optional)	1	720P,1080i/60Hz,1080P/60Hz 3G SDI standard
AUDIO IN	1	3.5mm audio port

*choose between DVI 2 and DP to use at one time.

Output specification

Port	Quantity	Resolution specification
Ethernet port (connect receiving card)	4	4.4 million pixels loading for the whole machine, 2 main 2 backup and 2.2 million pixels loading on a single network port max horizontal 8192 px, max vertical 3840 px
HDMI LOOP	1	HDMI loop out (HDMI2.0)
OPT	1	Used for optical ports' backup or signal copy output
AUDIO OUT	1	3.5mm audio port

Control port

Type	Quantity	Specification
USB	1	Connect computer software to control
RJ45	2	For computer software control or multi–cascade control or central control
RS232	1	Use RS232 to central control

Machine specification

Input Power Voltage	100~240V AC 50/60Hz
Power Consumption	50W
Working Temperature	0℃–45℃
Working Humidity	5%RH–75%RH
Dimension（L×W×H)	482.6×361.1×44.5mm
Weight	4.1kg