



## Overview

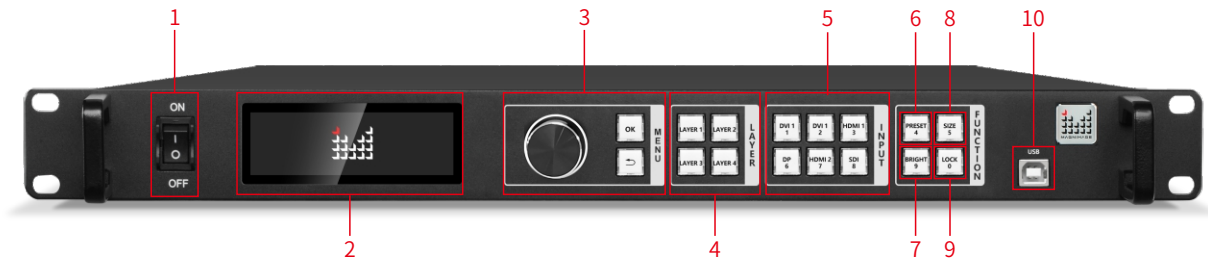
LED-F706 is a video controller that integrates video processor and sending card function. It has a variety of video image input interfaces, including HDMI2.0\*1, HDMI1.4\*1 (built-in audio function), DP\*1, DVI\*2, SDI\*1 (LED-706S), and one audio input. The output supports 6 ports of gigabit Ethernet, HDMI LOOP\*1, DVI\*1 (monitor) and one audio output. The standard loading capability is 3.9M pixels, maximum loading capability is 6.0M pixels, maximum width can be 7680 and maximum height can be 2600, and support customized output resolution. It supports bandwidth expanding technique, the loading capability of single port can reach 1M pixels (60Hz) after switched on the function.

LED-F706 support the function of quick light-up screen without computer software connection, greatly simplify the setting steps.

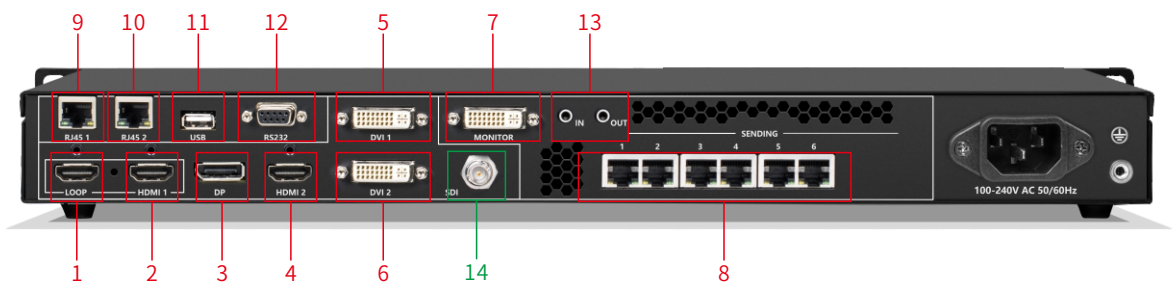
## Features

- Quick light-up screen, no need computer software connection
- 6 channels gigabit Ethernet output, support customized Output resolution
- Input EDID management
- Support 4K\*2K/60Hz (HDMI 2.0) input
- Support layer size and position adjustment and image crop
- 4 layers display
- Support scrolling caption
- Support bandwidth expanding technique
- Support serial number calibration for receiving card
- Cut switch among signals with no black
- Free cable connection
- Seamless switching among multiple layers
- Free image zooming
- Monitoring output
- Save and load template
- Support external independent audio input/output
- Support connection with C-Link series receiving card
- Support network interface communication, wireless
- Control screen

## Panel Introduction



- ① Power switch
- ② LCD display
- ③ Rotate/OK/Return button
- ④ Layer selection button
- ⑤ Input signal selection button
- ⑥ Preset button
- ⑦ Brightness adjustment button
- ⑧ Layer size/position adjustment button
- ⑨ Lock button
- ⑩ USB control port

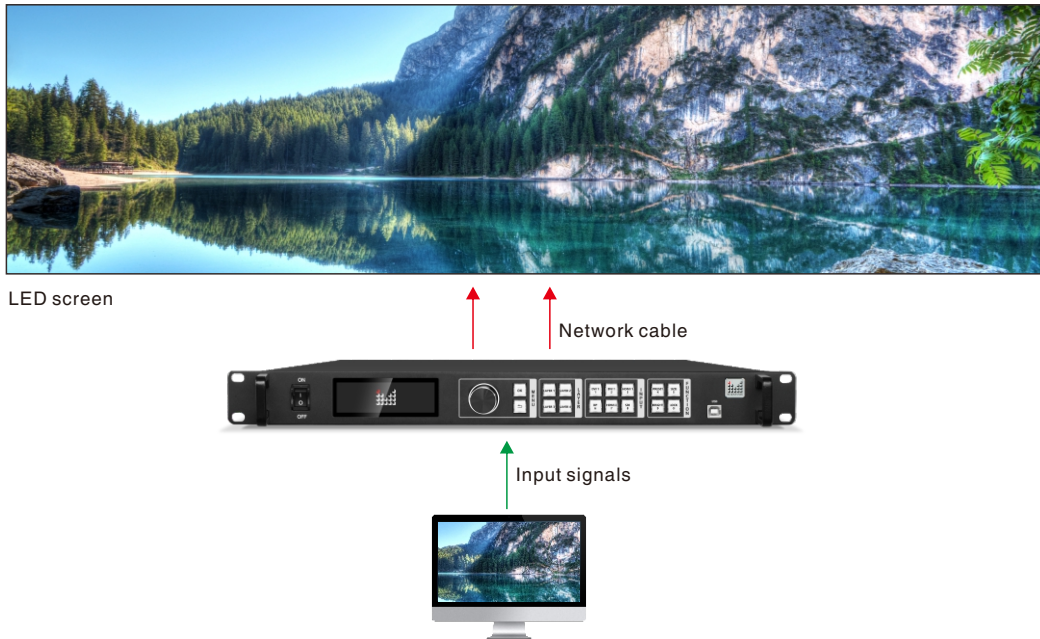


- ① HDMI LOOP output
- ② HDMI2.0 input
- ③ DP1.1 input
- ④ HDMI 1.4 input
- ⑤ DVI1 input
- ⑥ DVI2 input
- ⑦ DVI monitor output
- ⑧ 6 channels gigabit Ethernet output
- ⑨ Control LAN Port 1
- ⑩ Control LAN Port 2
- ⑪ USB upgrade port
- ⑫ RS232 control port
- ⑬ Audio input/output
- ⑭ SDI extended input port

## ▮ Main Features and Characteristics

### ● Fast light-up screen

LED-F706 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.



### ● Big loading capability

Maximum loading capability 6M pixels (standard loading capability 3.9M pixels), Max. Width 7680px, Max. Height 2600px, support customized function.



## ▮ Main Features and Characteristics

### ● Four layers seamless switching

LED-F706 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.



### ● Monitor output

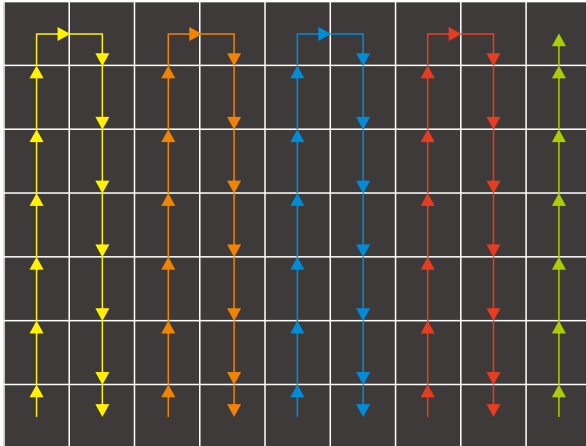
Real-time monitoring screen display information through external monitor.



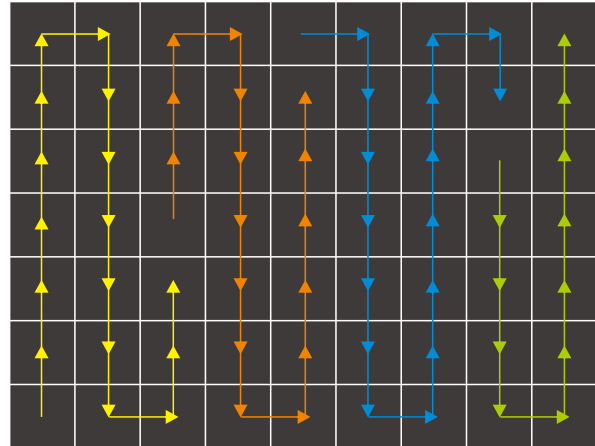
## ▮ Main Features and Characteristics

### ● Free cable connection

Compare with traditional control system, it can do free cable connection, improved the utilization rate of Ethernet loading capability, help to save use cost.



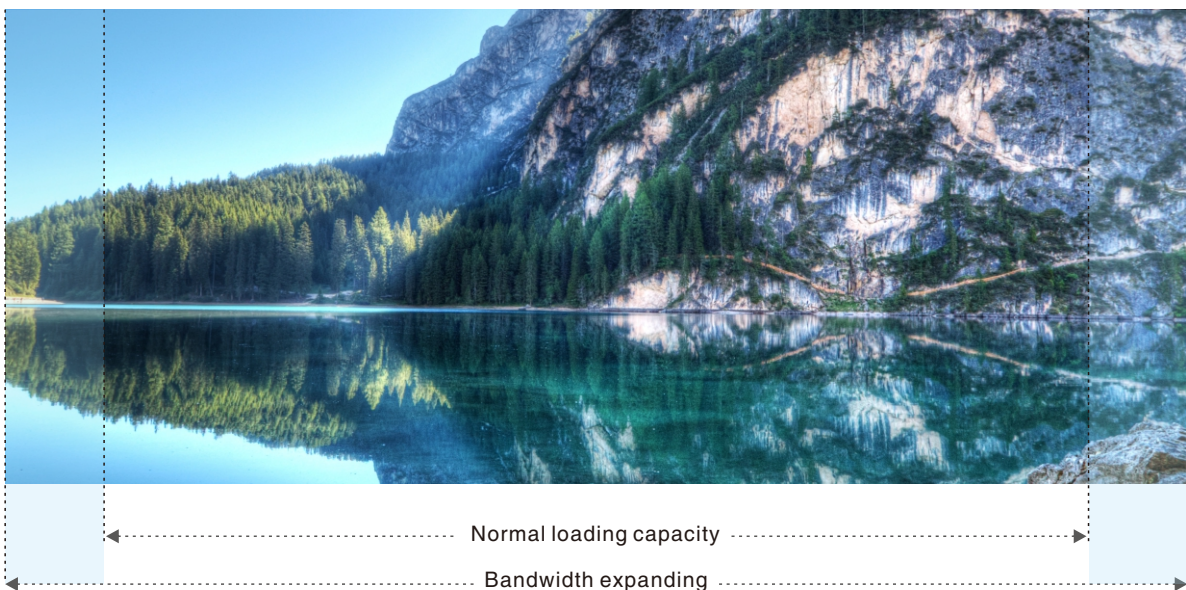
Traditional cable connection



Free cable connection

### ● Bandwidth expanding

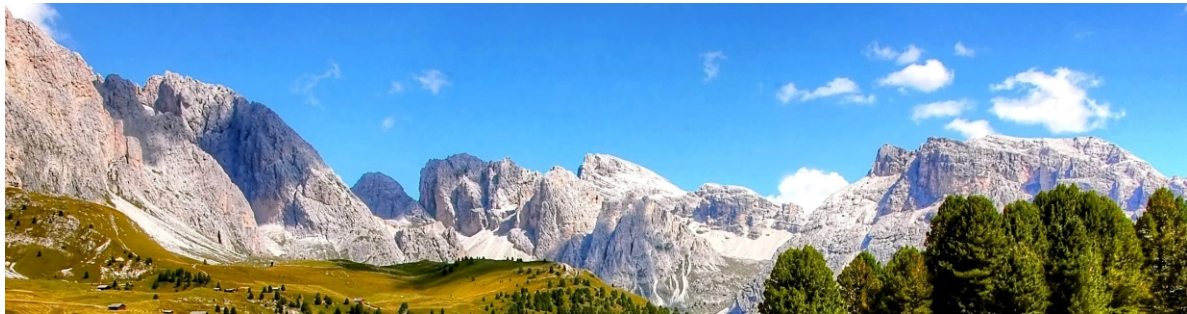
With unique bandwidth expanding technique, single port can load up to 1M px(60Hz).



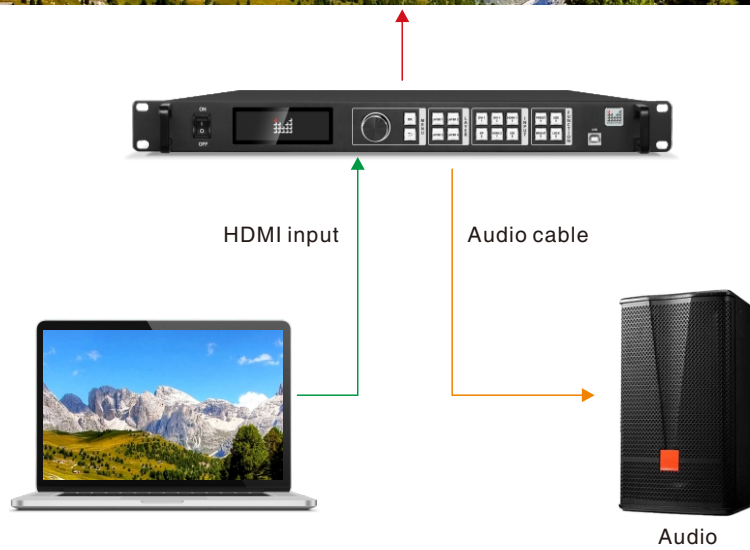
## ▮ Main Features and Characteristics

### ● Audio split output

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



LED screen



### ● Scrolling caption

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



## Technical parameters

### Model

Model	Specification
LED-F706	Standard model
LED-F706S	Standard model+SDI input port*1

### Input specification

Port	Quantity	Resolution specification
HDMI1.4 (Internal Audio) or DP1.1, HDMI, DP alternative	1	3840×1080/60Hz,3840×2160/30Hz
HDMI2.0	1	3840×2160/60Hz and customized
DVI	2	1920×1080/60Hz and customized
SDI(only F706S support)	1	480i,720P,1080i/60Hz,1080P/60Hz 3G SDI standard
AUDIO IN	1	3.5mm audio port

### Output specification

Port	Quantity	Resolution specification
Ethernet port (connect receiving card)	6	Normal single port 650,000 pixel, normal whole set 3.9 million pixel, with bandwidth expanded function whole set can achieve maximum 6 million pixel, max horizontal 7680px, max vertical 2600px
HDMI LOOP	1	HDMI loop out (HDMI2.0)
DVI Monitor	1	Monitor output,1920×1080/60Hz
AUDIO OUT	1	3.5mm audio port

### Control port

Type	Quantity	Specification
Square opening USB	1	Connect computer software to control
RJ45	2	Connect computer software to control or multiple cascade control
RS232	1	Use RS232 to central control

## Machine Specification

Input Power Voltage	100~240V AC 50/60Hz
Power Consumption	50W
Dimension (L×W×H)	482.6×362×44mm
Weight	4.1kg



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