



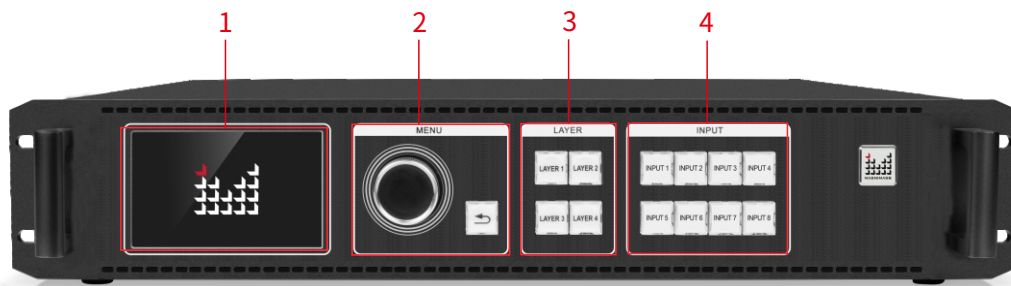
LED-F712 is a video controller that integrates video processor and sending card function. It has a variety of video image input interfaces, including HDMI2.0*1, DP1.2*1, Audio*1, and can extend 3G SDI*1/DVI*2 or HDMI2.0+DP1.2. The output supports 12 ports of gigabit Ethernet, 2 ports of 10G fiber input/output (used for Ethernet backup between 2 machines), HDMI LOOP*1, HDMI*1 (monitor). The standard loading capability is 10.4M pixels, maximum width can be 16380 and maximum height can be 3840. It supports bandwidth expanding technique, the loading capability of single port can reach 1M pixels (60Hz) after switched on the function, maximum loading 16M (60Hz).

LED-F712 support the function of quick light-up screen without computer software connection, greatly simplify the setting steps.

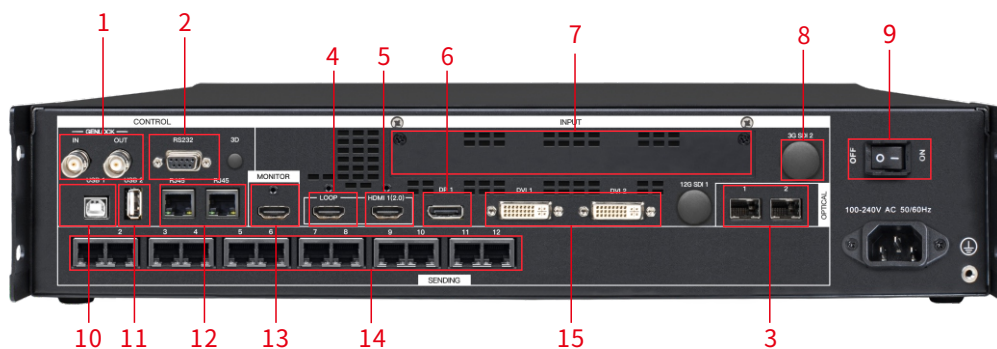
Features

- ✓ Quick light-up screen, no need computer software connection
- ✓ 12 channels gigabit Ethernet output, support customized output resolution
- ✓ Input EDID management
- ✓ Support 4K*2K/60Hz (HDMI 2.0) or 8K*1K/60Hz (DP1.2) input
- ✓ 4 layers display
- ✓ Support bandwidth expanding technique
- ✓ Support serial number calibration for receiving card
- ✓ Support Template Save and Load
- ✓ Support Multi-input mosaic for one machine and multi-machines
- ✓ Support Lan port backup for one machine and multi-machines
- ✓ Support input hot backup
- ✓ Support seamless switch between input signal and preset
- ✓ Support scrolling caption
- ✓ Support USB configuration file read and load
- ✓ Lan port controlling with loop port
- ✓ Support Input/output customized resolution
- ✓ Support Image zoom and crop
- ✓ Support Monitoring output
- ✓ Support Senior cabling
- ✓ Free cabling
- ✓ Support smart mark number
- ✓ Optic port backup
- ✓ Support Audio input
- ✓ Support RS232 control, Command control
- ✓ Support Time task function, timing brightness
- ✓ Support Magnimage C-link series receiving card

Controller Introduction



- 1 LCD display with menu information 2 Rotate button/Return button 3 Layer selection button 4 Input signal selection button

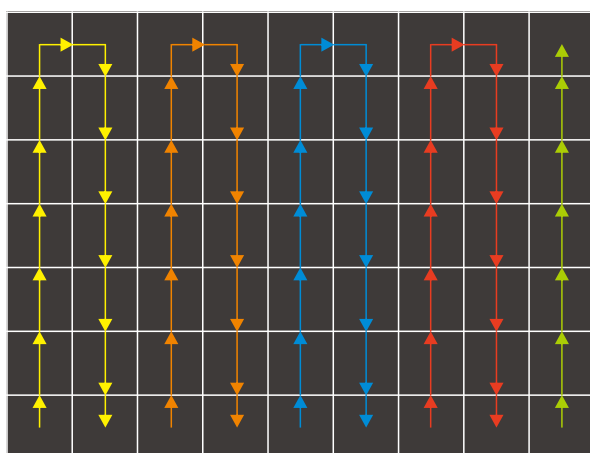


- 1 Genlock Input/Output 2 RS232 control port 3 2 Channel 10G Optic ports 4 HDMI loop out
 5 HDMI2.0 Input 6 DP1.2 Input 7 DVI*2/HDMI2.0+DP1.2 extend port 8 3G SDI extend port
 9 Power Switch 10 USB control Port 11 USB port for load file/ Upgrade 12 2 Ethernet Ports
 13 HDMI monitoring output 14 10 channel gigabit Ethernet output 15 2 DVI input ports

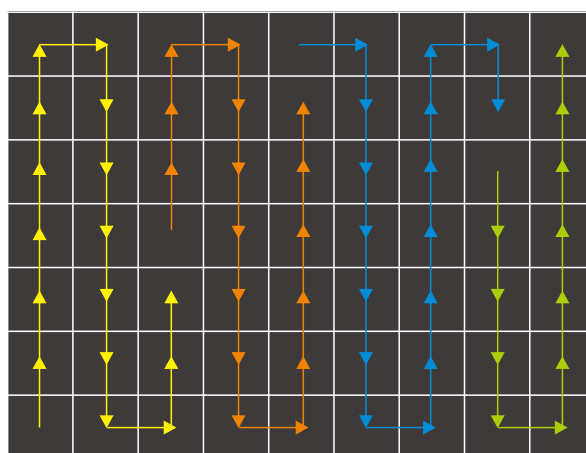
Main Feature and Applications

Free Cabling

Blank cabling doesn't occupy the pixel capability of each lan port, no need rectangle cabling, improved the utilization rate of Ethernet loading capability, help to save use cost.



Normal



Free Cabling

Large Pixel Capability

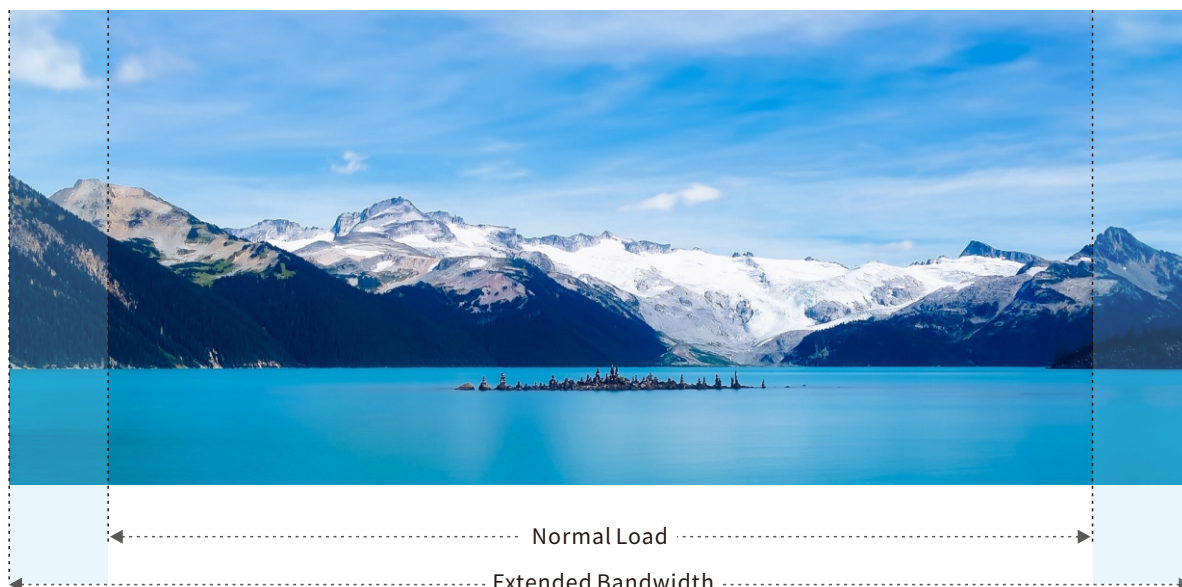
Maximum load 12M pixel (standard load 10.4M pixel), Max. Width 16380, Max. Height 3840. Support customized



▮ Main Feature and Applications

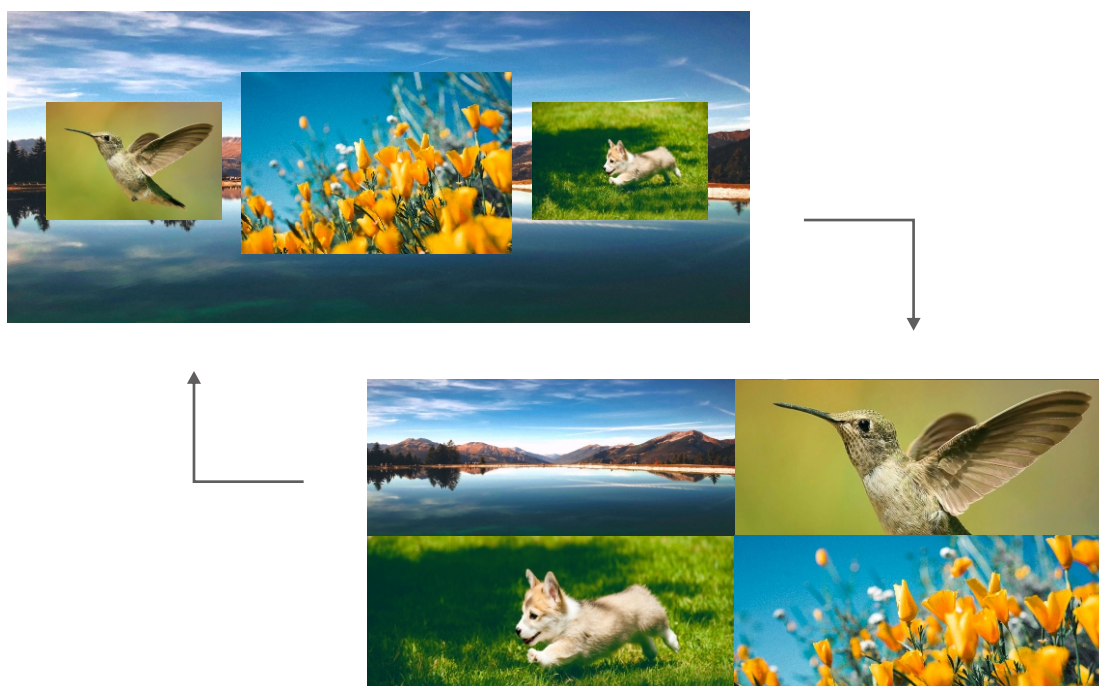
📺 bandwidth expanding

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



📺 Four layers seamless switching

4 Independent layers, free adjustment, seamless switch among input sources, also support 4 layer to 4 layer switch in presets. Layer 3 and Layer4 support interlaced processing.



▮ Main Feature and Applications

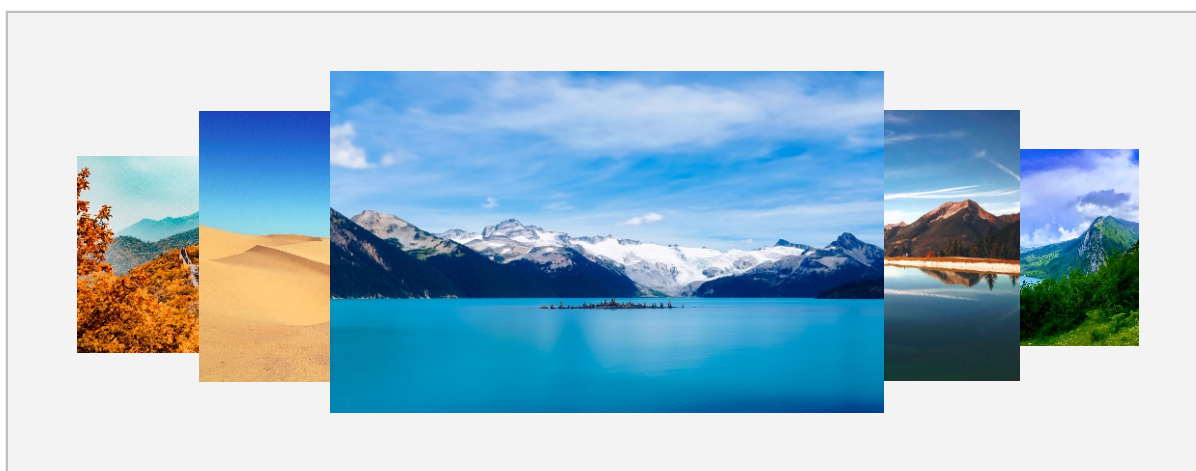
🖥️ Monitoring output

Real-time monitoring screen display information through external 2K monitor.



📅 Time Task Function

Auto switch the preset according to time task setting.



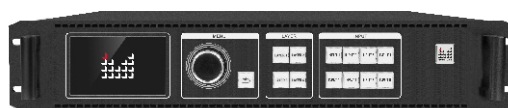
▮ Main Feature and Applications

📺 Timing Brightness Adjustment

Auto timing brightness adjustment at set time.

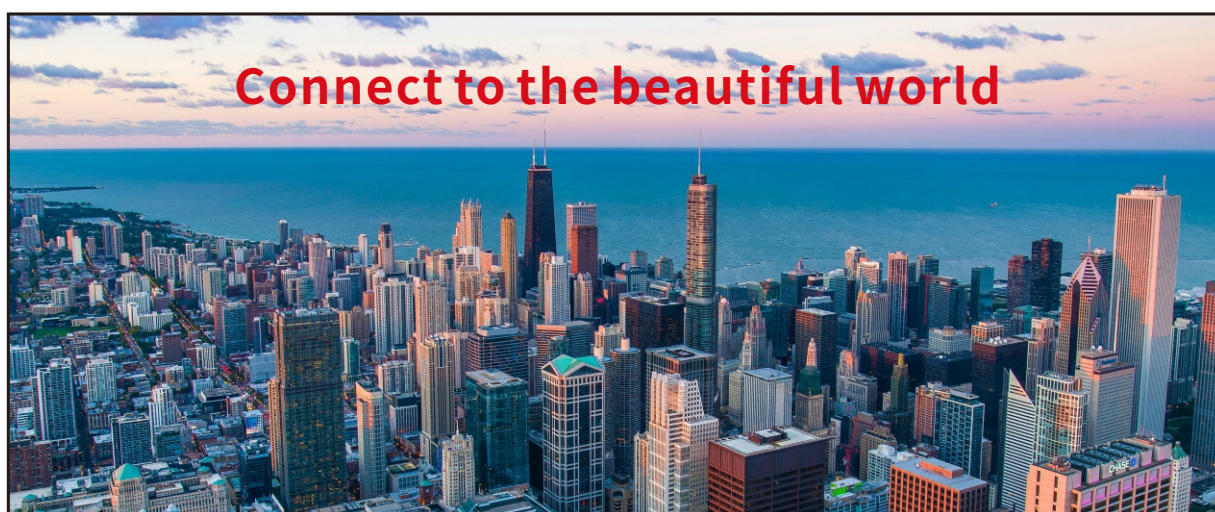


➡
Auto Brightness
Adjustment



📺 Scrolling Text

Text size/color/scrocling speed/background color can be adjusted by software.



Technical parameters

Model	
Model	Specification
LED-F712	Standard mode
LED-F712D	Standard model+2*DVI input
LED-F712H	Standard model+ 1 extend HDMI2.0+DP1.2 input
LED-F712S	Standard model+1*3G SDI input
LED-F712DS	Standard model+2*DVI input + 1* 3G SDI input

Input specification		
Port	Quantity	Resolution Specification
HDMI2.0	1	3840X2160/60Hz and Customized
DVI	4	3840X1080/60Hz and Customized
3G SDI (Option)	1	480i, 720P, 1080i/60Hz, 1080P/60Hz3GSDI Standard
DP1.2	1	7680X1080/60Hz, 3840X2160/60Hz and Customized
Genlock (In)	1	

Output specification		
Port	Quantity	Resolution Specification
Lan port (for receiving card connection)	12	Normal load 0.65M per Lan port, total 7.8M Max. Total load can reach 12M after Bandwidth expanding, max. Width 16380 pixel, max. Height 3840 pixel
HDMI LOOP	1	HDMI loop out, copy HDMI2.0 input
HDMI Monitor	1	Monitoring output, 1920x1080/60Hz
OPT	2	10G
Genlock (Out)	1	

Control Port		
Type	Quantity	
USB	1	For PC control by software
RJ45	2	For PC control by software or Multipls cascade control
RS232	1	For RS232 control

Machine Specification	
Input Power Voltage	100-240V AC 50/60HZ
Power Consumption	80W
Dimension(L*W*H)	482.6X421.3X44mm
Weight	7.6KG



Shenzhen Magnimage Technology Co., Ltd.

Address: 801, Bld. G2, TCL International E City, #1001
 Zhongshan Park Road, Nanshan, Shenzhen, China, 518052
 Tel: 0755-8664 7651 Fax: 0755-8664 7650
 Website: www.magnimage.com

24h 86-400-6868-203