



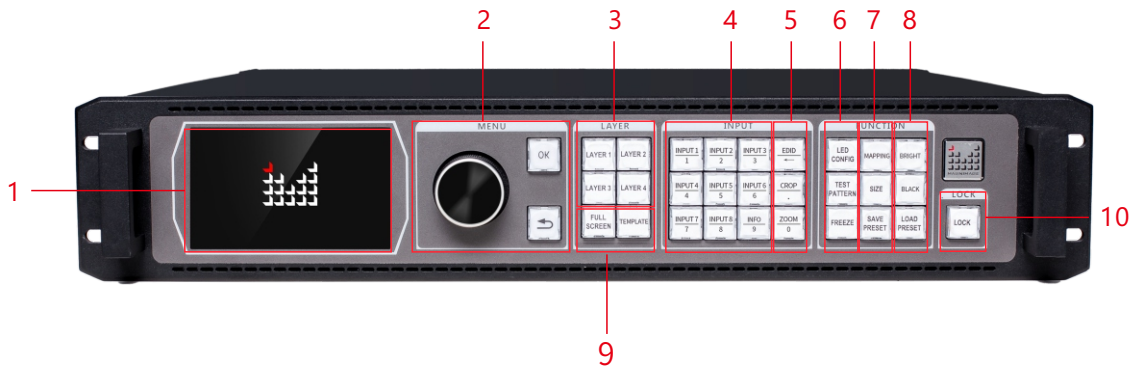
LED-FW16-B is an all-in-one video controller developed by Magnimage for overseas market. It is equipped with a complete video input interface, including 1xHDMI2.0, 1xDP1.2, 2xDVI, 12G SDIx1, expandable with 2 x DVI, or 1xHDMI2.0/DP1.2, and its outputs support 16 Gigabit network ports, 4 10G optical fiber inputs/outputs, 1 HDMI Loop, and 1 HDMI monitor. The widest horizontal resolution is up to 16,380 and the highest vertical resolution is up to 7,680, with a single grid carrying 0.98M pixels and 15.7M (60Hz) for the whole machine.

LED-FW16-B support the function of quick light-up screen without computer software connection, greatly simplifying the setting step.

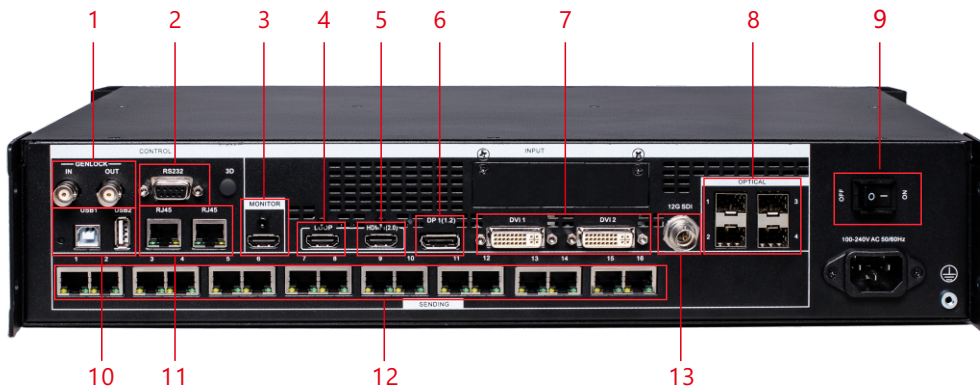
▮ Features

- ▮ Quick light-up screen, no need computer software connection
- ▮ Support 16 Gigabit network output ports
- ▮ Support single 4K*2K/60Hz (HDMI2.0) or 8K*1K(DP1.2) input
- ▮ Four layers display, and full-screen roaming
- ▮ Support sequence marking of receiver card
- ▮ Support templet save and load
- ▮ Support multi-input mosaic within single controller and multi-cascade mosaic
- ▮ Support network backup within single controller and between several controllers
- ▮ Support input backup within single controller
- ▮ Support multi-machine grouping backup, enabling the entire main system to synchronously switch to the backup system
- ▮ Seamless switching between input signals and presets
- ▮ Quick layer layout templet
- ▮ Support local USB flash drive for reading and loading configuration files
- ▮ Built-in loop function for RJ45 control port, no need local area network, easy to control for cascade operation
- ▮ Zoom and image crop
- ▮ Support monitor output
- ▮ High-end screen connection
- ▮ Free cable connection
- ▮ Support optical port input/output and backup
- ▮ Support connection with C-Link series receiving card
- ▮ HDR function

Panel Introduction



- | | |
|--|--|
| 1 LCD screen to show menu contents | 2 Rotary button, OK button, Return button |
| 3 Layer selection button | 4 Input Source Selection Button to view input information |
| 5 EDID key, zoom key, Layer zoom key | 6 LED screen configuration key, test card key, image freeze key |
| 7 Smart Sequence Key, Layer Size Key, Save Preset Key | 8 Brightness Adjustment Key, Blackboard-Only Key, Load Preset Key |
| 9 Full Screen Button, Layer Button | 10 Keyboard Lock Button |

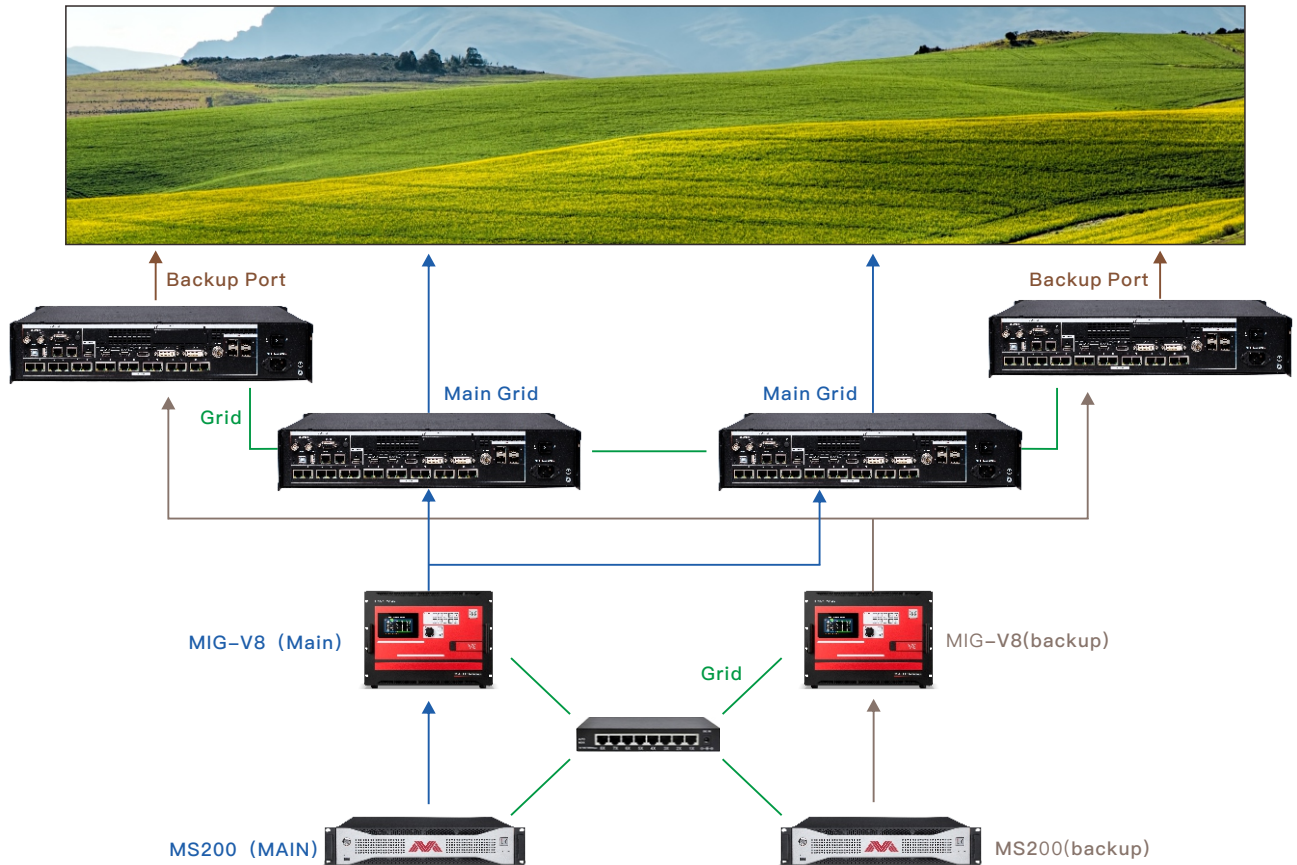


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|-------------------------------|-----------------------------|------------------------------|--|
| 1 Genlock input/output | 2 Rs232 control port | 3 HDMI monitor output | 4 LOOP port |
| 5 HDMI2.0 input | 6 DP1.2 input | 7 4 DVI input | 8 OPTICAL |
| 9 Power on/off | 10 USB control port | 11 RJ45 | 12 16 Gigabit network output port |
| 13 12G SDI input | | | |

▮ Main Features and Characteristics

▮ Automatic Switching between Main and Backup Systems

When any of the LED-FW16-B signal sources in the main system is lost, the entire main system automatically switches to the backup system to ensure that the large screen is displayed normally.



▮ 4 layers seamless switching

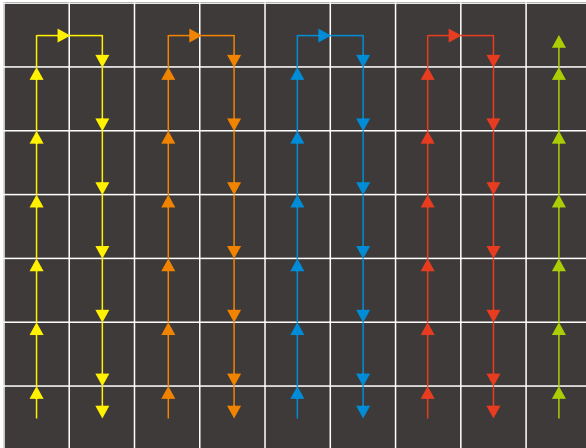
4 independent layers, freely adjustable; seamless switching between input sources and presets (4 layers to 4 layers); small projects handled at once, only Layer 3 and Layer 4 deinterlacing.



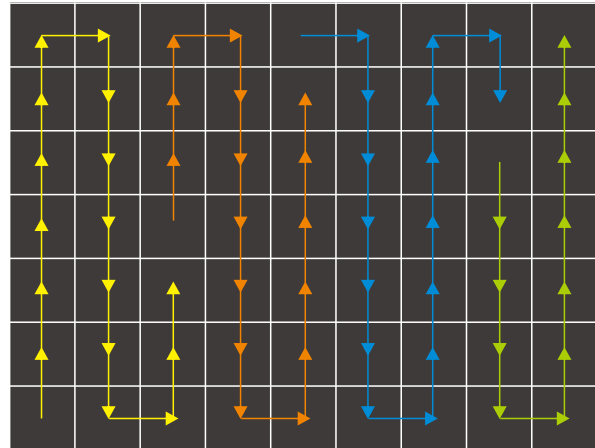
▮ Main Features and Characteristics

▮ 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.



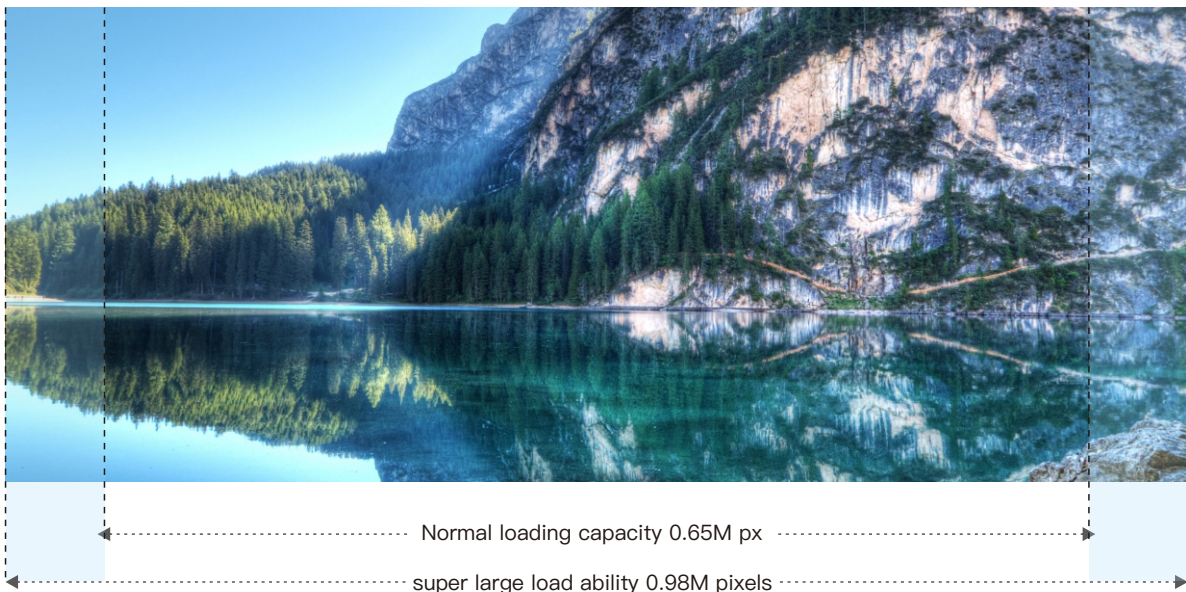
Standard cable connection



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 0.98M pixels(60Hz).



Main Features and Characteristics

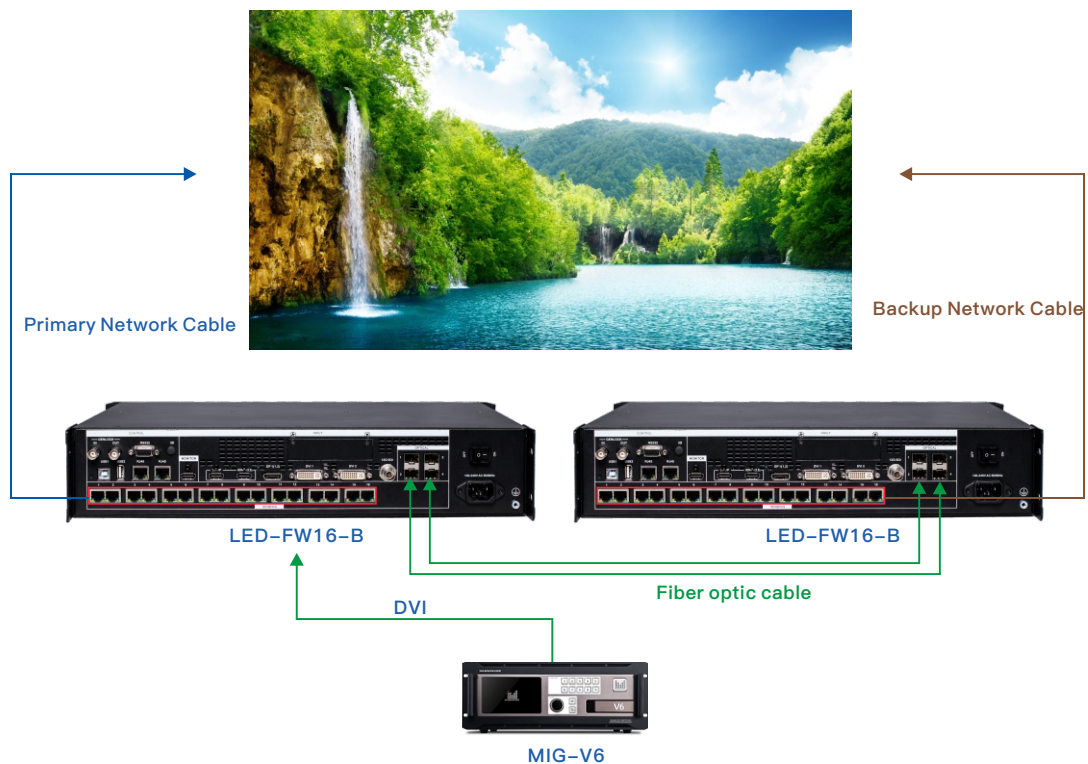
Single Port Backup

A single machine can be assigned to back up any network port.



Multi-machine Port Backup (1)

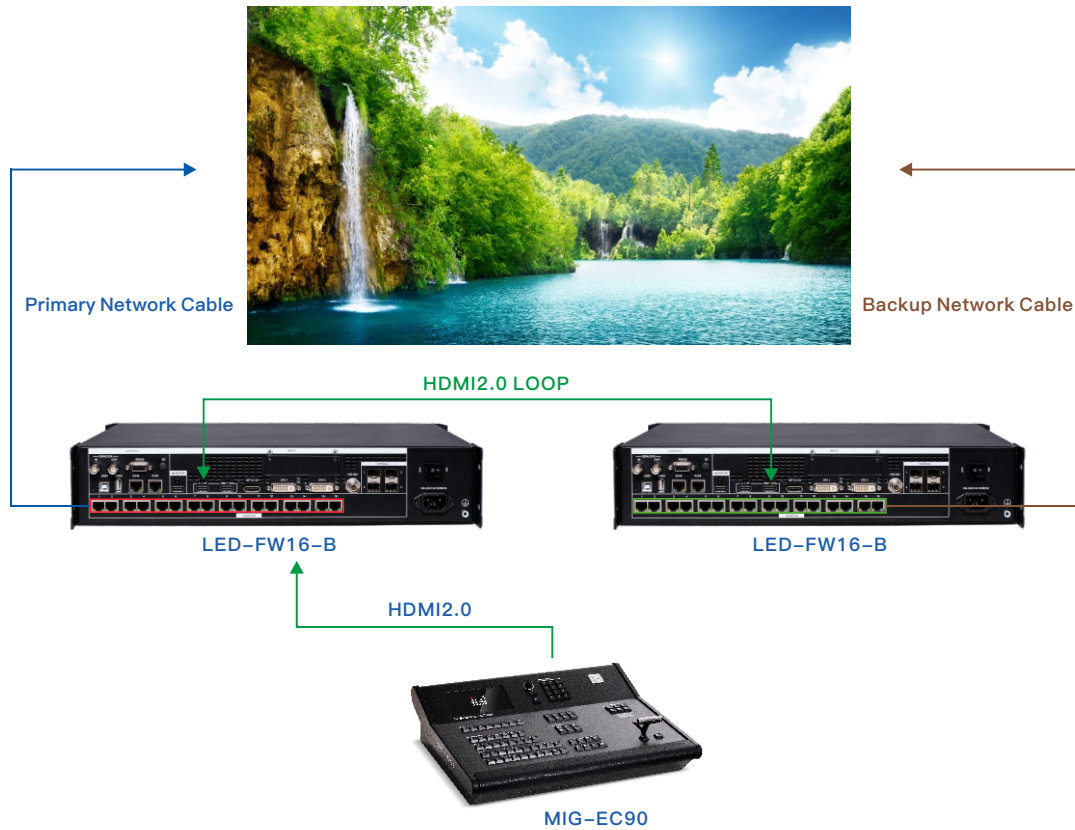
An optical fiber can be used to perform an optical port backup between two units.



▮ Main Features and Characteristics

▮ Multi-machine Port Backup (2)

An optical fiber can be used to perform an optical port backup between two units.



▮ Input Signal Source Hot Backup

If the currently used signal source is lost, the device can automatically jump to the preset of the backup signal source without blackout, realizing a perfect backup of the activity.



Main Features and Characteristics

Cascading control of multiple machines

Built-in loop function for RJ45 control port, no need local area network, easy to control for cascade operation.



Monitor Output

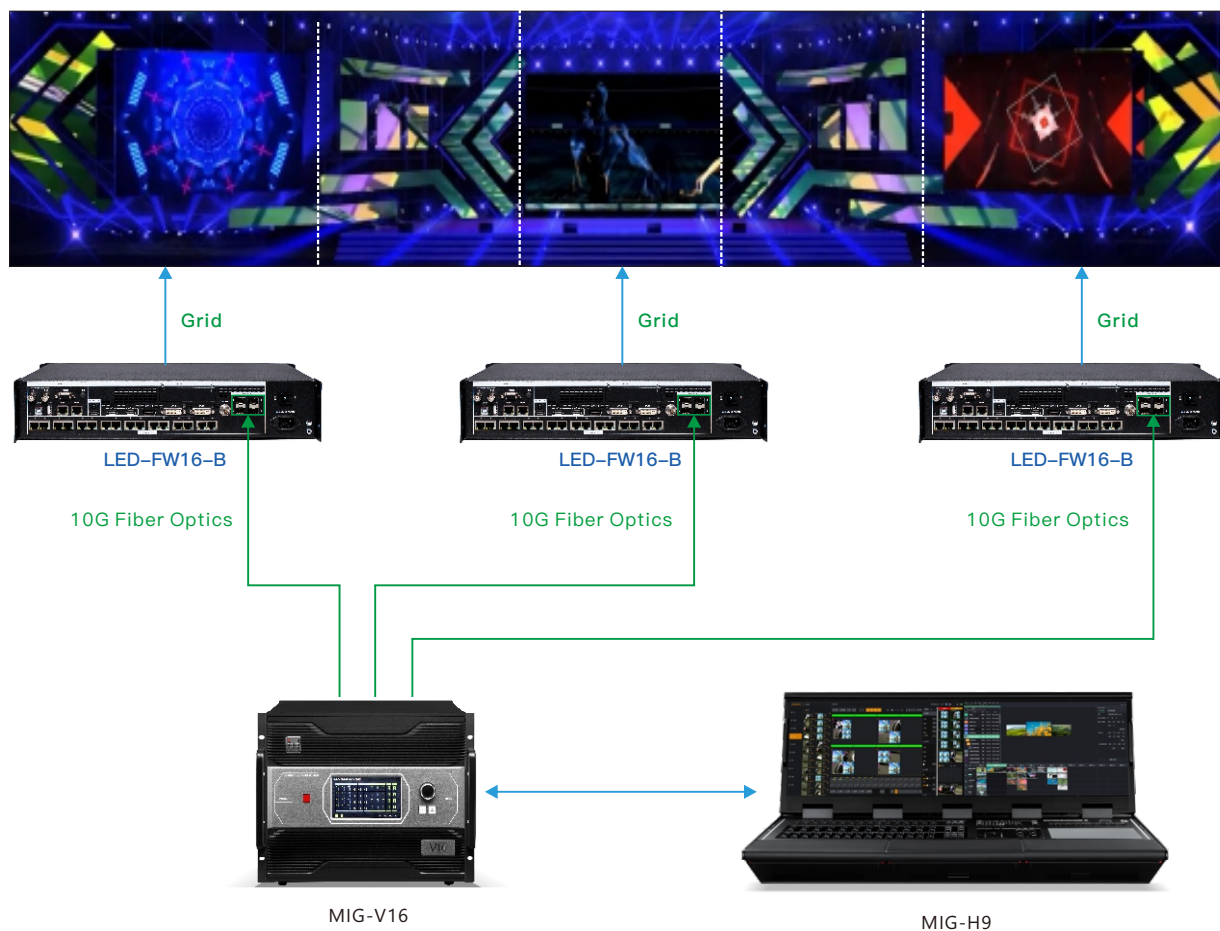
Connecting the external 2K display monitors that monitor the output of the entire machine, this machine help make it easy for the operator to monitor the LED screen display in situations where the LED screen cannot be viewed directly, so that the operator can control the scene without worrying about the content.



▮ Main Features and Characteristics

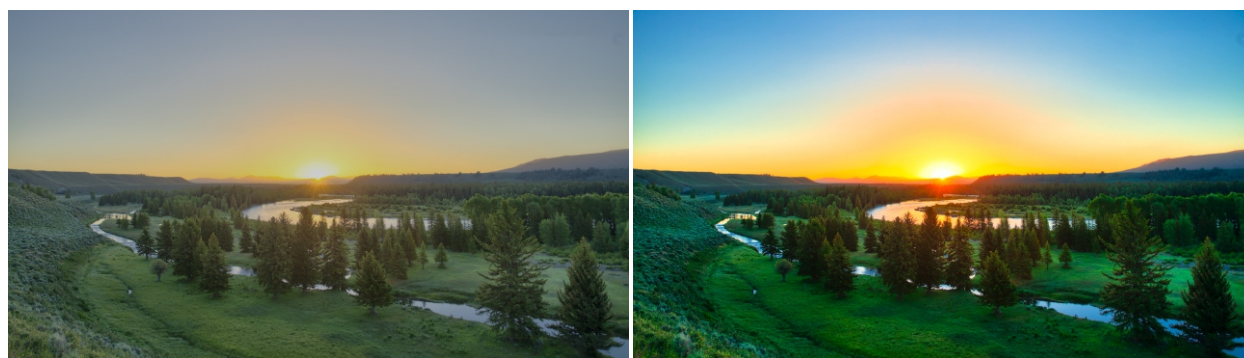
▮ Large-scale Rental Solution

Connect the MIG-V16 video switcher to the LED-FW16-B with an optical fiber connector.



▮ HDR function

Extend the brightness range, advanced processing for sup-dark and sup-light area. Abundant image color be showed, soft and smooth display.



HDR Closed

HDR Open

Technical Parameters

Model	
Model	Specification
LED-FW16-B	Standard model
LED-FW16-BD	Standard model + 2 expanded DVI
LED-FW16-BH	Standard model + 1 expanded HDMI2.0+1 DP1.2 input

Input specification		
Port	Quantity	Resolution specification
HDMI2.0	1	3840X2160/60Hz and customized
DVI	2	3840X1080/60Hz and customized
OPT	2	For optical port input
DP1.2	1	3840X2160/60Hz and customized
12G SDI	1	2160P/60Hz,Backward compatible (not supported by SD)
Genlock	1	

Output specification		
Port	Quantity	Resolution specificatio
Ethernet port (connect receiving card)	16	0.98M for the single port, max 15.7M loading for the whole machine max horizontal 16380 px, max vertical 7680 px
HDMI LOOP	1	HDMI Loop, the same with HDMI2.0
HDMI Monitor	1	Monitor the output of the whole machine
OPT	2	For optical port backup or copied signal input
Genlock	1	

Control port		
Port	Quantity	
Square opening USB	1	For pc software control
RJ45	2	For pc software control or Multiple unit cascade control
RS232	1	For RS232 control

Machine Specification	
Input Power Voltage	100-240V AC 50/60HZ
Power Consumption	80W
Operating Temperature	0°C - 45°C
Dimension (LxWxH)	482.6X421.3X88mm
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:86-755-8664 7651 Fax:86-755-8664 7650
 Website: www.magnimage.com