LED-500B Pro
video processor

MAGNIMAGE

LED-500B Pro is a high-performance full-color LED video processor with fade-in and fade-out effects; with advanced image scaling technology, it supports customize output resolution, output horizontal resolution up to 3840 pixels and vertical resolution up to 1920 pixels, greatly improves the output bandwidth utilization. In addition, the input DVI supports EDID management, to realize LED screen pixel-to-pixel display conveniently.

LED-500B Pro is widely used for stage, conference, event, exhibition, command, monitoring center, etc.

⟋ Features

- Customize output resolution
- Dual image
- Part/full screen
- Input signal hot backup

- Input DVI EDID management
- Image crop
- Image freeze
- Preset save and load

- Fade in/ fade out
- Zoom
- Text overlay

✎ Description

LCD menu display

Shows the entire menu system, in the condition that no user operating or overtime operating, the LCD will show the default state. To operate the menu system by using knob or keys, users can check and set the basic function or state of the machine intuitively.
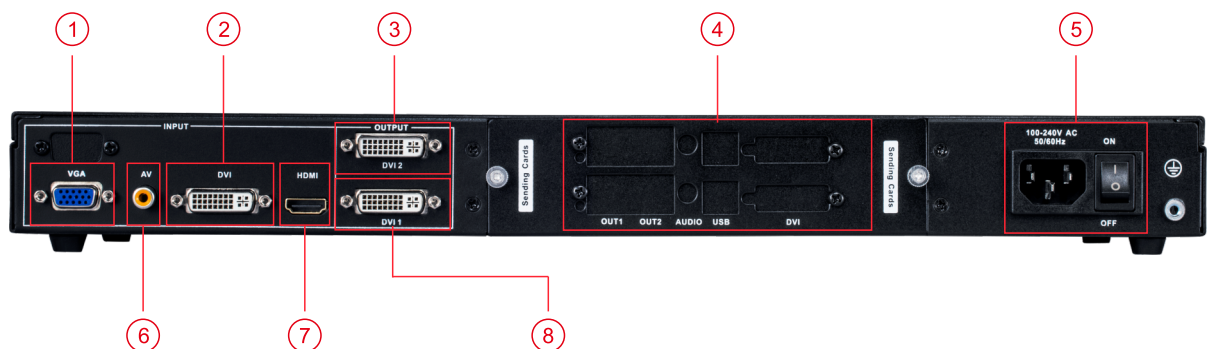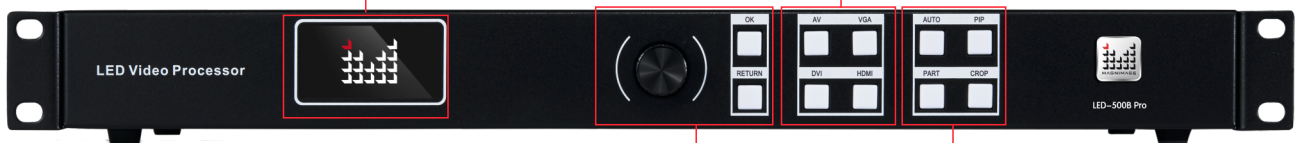
Input signal switching

In the default state of the menu system, short press the input signal keys to switch the PIP 1 input signal.

Operating keys

Select and adjust the menu, including a pushable knob, menu/confirm key and return key. Short press the knob, its function is the same as the confirm key; when press the return key, the menu system will return to the previous menu in order until it returns to the default state.

Function keys

Function keys include AUTO, PIP, PART and CROP.
AUTO is function key used to adjust image position when the input signal is VGA;
PIP is the function key to open or close PIP;
PART is the function key to switch between part display or full display of the screen;
CROP is the function key to open the image crop.

① VGA input port

② DVI input port

③ DVI2 output port

④ Sending card slot x 2

⑤ Power switcher

⑥ AV input port

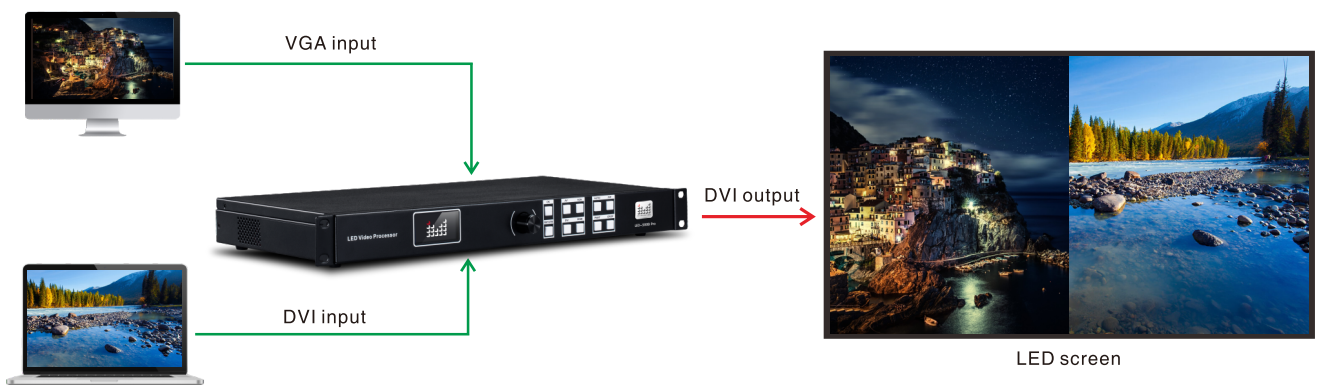⑦ HDMI input port

⑧ DVI1 output port

▱ Customize input/output resolution

LED-500B Pro processor has its own lock input resolution, DVI customize input resolution 2048×896; with customize output resolution 2048×896, it can realize pixel-to-pixel display within 2K×1K range.

LED screen resolution
2048x896

DVI customize output resolution
2048×896

DVI customize input resolution
2048×896

▱ Dual image function

In the dual screen submenu, you can switch the input source, size and position of the second screen.

VGA input

DVI output

DVI input

LED screen

▱ Fade in/out switching

The LED-500B Pro processor has a fade-in and fade-out effect, in case of black screen appears when user switching the signal source;
Firstly enters the menu to turn on the dual image, select the input source, and adjust the dual image size and position. Finally, press the "OK" key for switching, so that the fade in/out function is realized.

VGA input

DVI output

DVI input

LED screen

✐ Technical Specification

Input Indication

Port	Quantity	Resolution
AV	1	PAL/NTSC
VGA	1	VESA standard
DVI	1	1920×1080/60Hz and EDID
HDMI	1	Within 1920x1080/60Hz

Output Indication

Port	Quantity	Resolution（single DVI output）
DVI	2×1	1024×768/60Hz /75Hz/85Hz/100Hz/120Hz 1280×1024/60Hz 1440×900/60Hz 1600×1200/60Hz 1600×1200/60Hz- Reduced 1680×1050/60Hz 1920×1080/60Hz/50Hz 1920×1200/60Hz 2560×816/60Hz 2048×640/60Hz 2304×1152/60Hz 2048×1152/60Hz 1024×1280/60Hz 1536×1536/60Hz Customize output resolution(Bandwidth optimization): Maximum width 3840 Maximum height 1920

Console Specification

Power supply	100~240V AC 50/60Hz
Power consumption	20w
Product dimension	482.0×220.5×50.5mm
Net Weight	2.8Kg