

Mancowin

www.mancowin.com

MCW-M8 series

4K*2K/60Hz Video processor



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MCW-M8 Series is a splicer with 4K/60Hz, splicing, switching, audio, multi-screen display and many functions all in one. Highly integrated professional 4K and 2K digital interfaces, single-port support 4K@60Hz input; With the use of professional image processing chip and more convenient mode of operation which can widely used in stage performances and various occasions.

A single unit of this machine can reach 20.8 million pixels, The widest output support for a single device is 30720 pixels, and the highest FPS is 120Hz.

Greatly increased output bandwidth, support EDID management, which can be displayed pixel to pixel according to the LED screen.

Input interface of the device: SDI*2, DP1.2*1, HDMI2.0*1, 4K-DVI*2, 4K-HDMI*2, Audio*1, Support RS232 and network control to facilitate peripheral equipment control.



- ❖ 20.8 million pixels of carrying capacity on a single machine
- ❖ Output resolution customized
- ❖ EDID management
- ❖ Setup guidance
- ❖ Audio switching/Volume adjustment
- ❖ Multi-screen seamless switching
- ❖ Template saving and loading
- ❖ Output grouping, 1/2DVI, 3/4DVI, 5/5DVI, 7/8DVI
- ❖ Output different resolutions
- ❖ Frame synchronous for multi-machine splicing
- ❖ One-click black screen
- ❖ Image freezing
- ❖ Built-in test card
- ❖ Output rotation
- ❖ Image crop
- ❖ Computer control
- ❖ Multi channel 4K screen is Displayed at the same time
- ❖ Monitoring
- ❖ Time task management
- ❖ Color adjustment
- ❖ 10-bit processing
- ❖ Key lock
- ❖ USB upgrade
- ❖ Input port: DVI*2, HDMI*2, DP1.2*1, HDMI2.0*1, Audio*1, Extended SDI*2

✧ Processor introduction

Layer select button

Display area

Operation button

Input select

Power switch

Function shortcut



USB upgrade port

Rs232 control port

Lan control port

Input area

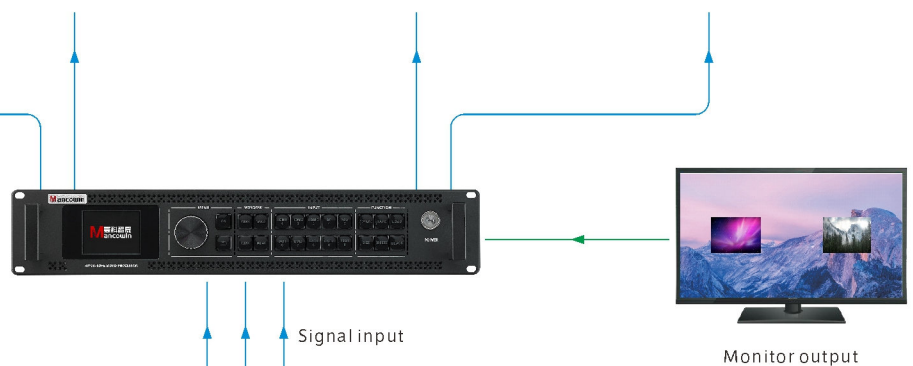
Output area

Audio output

Monitoring

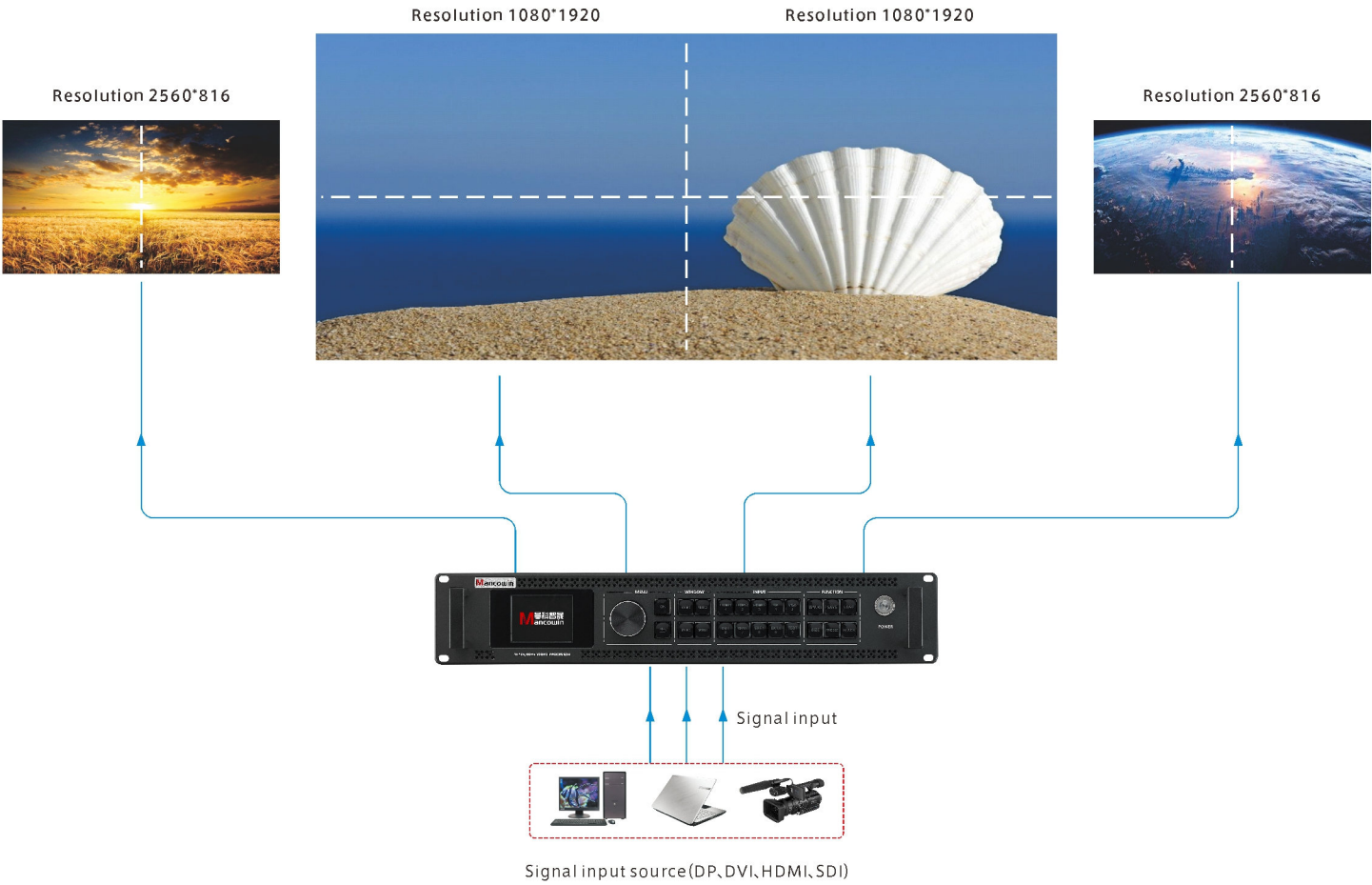


✧ 8 splicing multi-screen display(Multi-channel support 4K signal display at the same time)

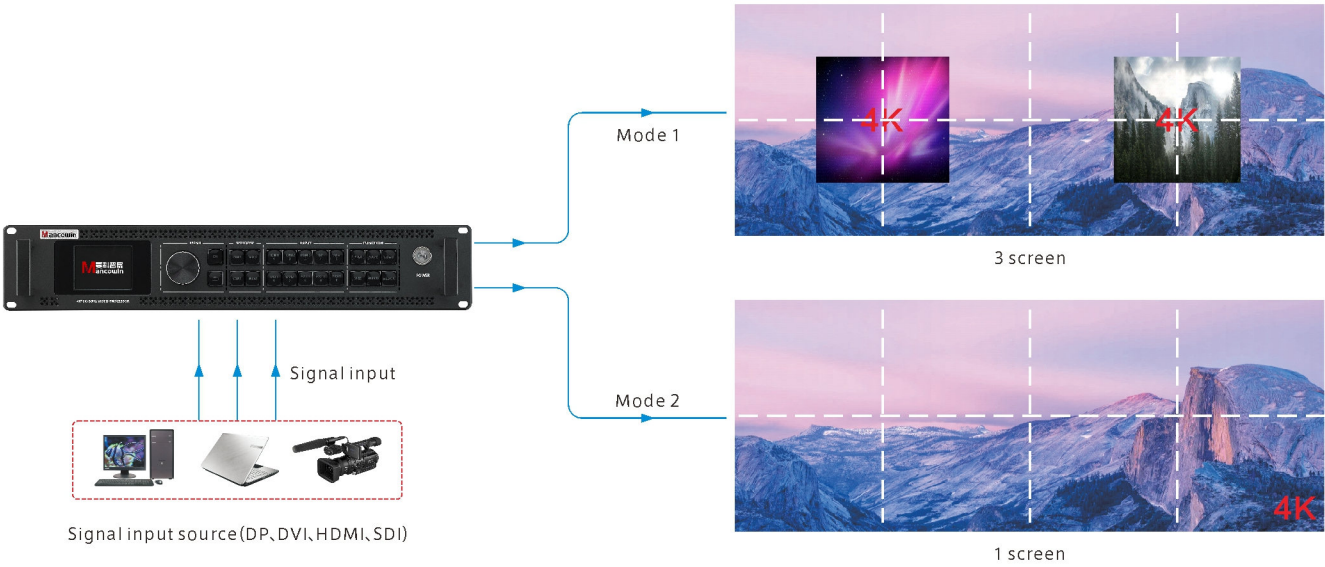


Signal input source(DP,DVI,HDMI,SDI)

❖ 8 DVI splicing output(Output mapping/horizontal/vertical/4x2 splicing)



❖ Multiple 4K images switches to one 4K screen(Seamless switching)



Technical parameters

Input Indication

Port	Quantity	Resolution
HDMI1.4	2	3840x2160/30Hz, 3840*1080/60Hz EDID management
DVI(4K)	2	3840x2160/30Hz, 3840*1080/60Hz EDID management
DP1.2	1	3840*2160/60Hz EDID management
HDMI2.0	1	3840*2160/60Hz EDID management
VGA	1	1920x1080/60Hz EDID management
Audio	1	Digital/analog

Extend Input Indication

Port	Quantity	Resolution
SDI	2	576i/50Hz 720p/60Hz 1080i/50Hz/ 60Hz 1080P/50Hz/60Hz(3G SDI)

Output Indication

Port	Quantity	Resolution(single output)
DVI	8x2	1024×768/60Hz 1280×1024/60Hz 1024×768/120Hz 1280×720/59Hz 1280×720/60Hz 2304×1152/60Hz 1536×1536/60Hz 1920×1080/60Hz 1920v1200/60Hz 2048×1152/60Hz 1024×1280/60Hz 1600×1200/60Hz Customized output resolution,single output can reach to the maximum of wiidth 3840 pixels/maximum of height 3840 pixels
DVI	1	Monitoring output (Display synchronously with the screen) 1920*1080/60Hz

Specification

Input power supply	100-240V AC 50/60Hz 0.6
Power consumption	35W
Operating temperature	0-45℃
Overall dimension(L×W×H)	482.6×401×88mm
Machine weight	6kg

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