



Shenzhen Mooncell Electronics Co., Ltd

Video Splicer Series

MVP8000S Series Specifications

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Update Records

File Version	Release Date	Update Records
V3.0	12/07/2022	First release
V3.1	09/03/2023	Updated the description of the input and output interface.
V3.2	22/03/2023	Modify 4U and 8U specifications

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1 Product Overview

Product Introduction

The MVP8000S series video splicing processor is the latest super intelligent and cost-effective video signal processing equipment launched by Mooncell. Housed in a modular 2U/4U/8U/15U standard chassis, it seamlessly integrates both digital and analog signal support, which can realize high definition and smooth display of video signals with 4K@60Hz and below resolutions on spliced screens of different specifications. In addition, it adopts 4:4:4 color processing, which can achieve a large-screen display effect with rich colors, clear image quality and true delicacy.

Application Scenarios

The MVP8000S series video splicing processors can fully meet the ultra-high definition application requirements of command and dispatch centers, conference report centers, exhibition and display centers, data operation and maintenance centers, radio and television centers and other scenarios.

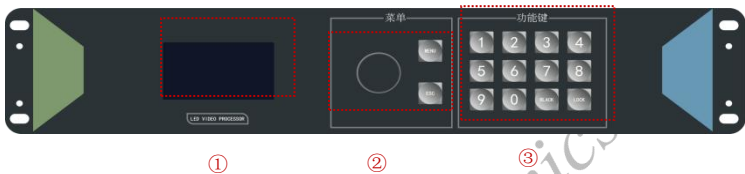
2 Functions Introduction

- Supports various input signals including DVI, HDMI1.3, HDMI1.4, HDMI2.0, DP1.2, VGA, SDI, and more.
- Support HDMI1.3, DVI, DP1.2 output signals.
- Seamless switching between input signal sources.
- Supports PC scenes and the ability to save scene files.
- Allows for arbitrary layering of all signals, with multi-screen roaming and scaling.
- Supports irregular display screen splicing.
- Can modify the EDID of input interfaces.
- Supports hot backup of input signals.
- Enables scheduled scenes and scene rotation.
- Supports signal source cropping and local zooming.
- Features frame synchronization functionality.
- Can customize resolution, single port up to 3840/up to 3840.
- Different resolutions can be set between the output ports.
- Supports intelligent resolution settings.
- Enables intelligent irregular splicing.
- Supports HDMI audio input.
- Supports on-screen display of input signal logos.

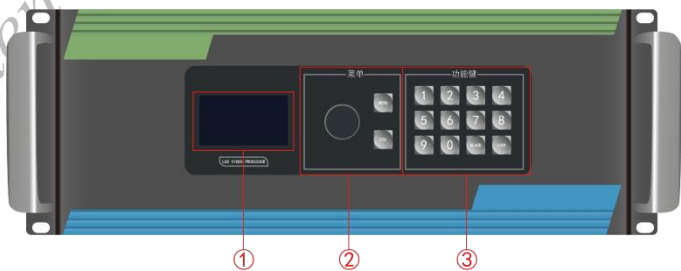
3 Product Appearance

MVP8000S-2U

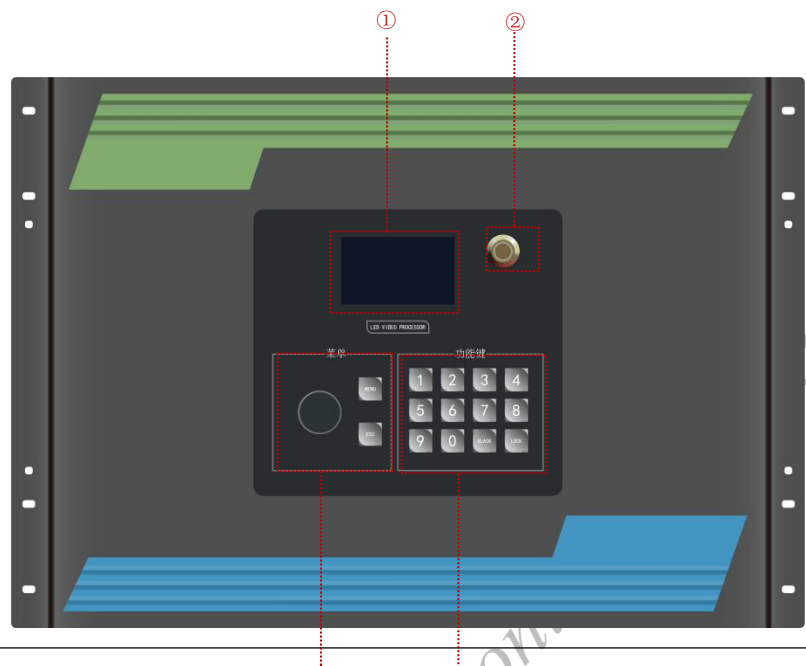
Front Panel



2U-Front Panel	
Order	Illustration
①	LCD Display Screen
②	Menu button
③	Function Button

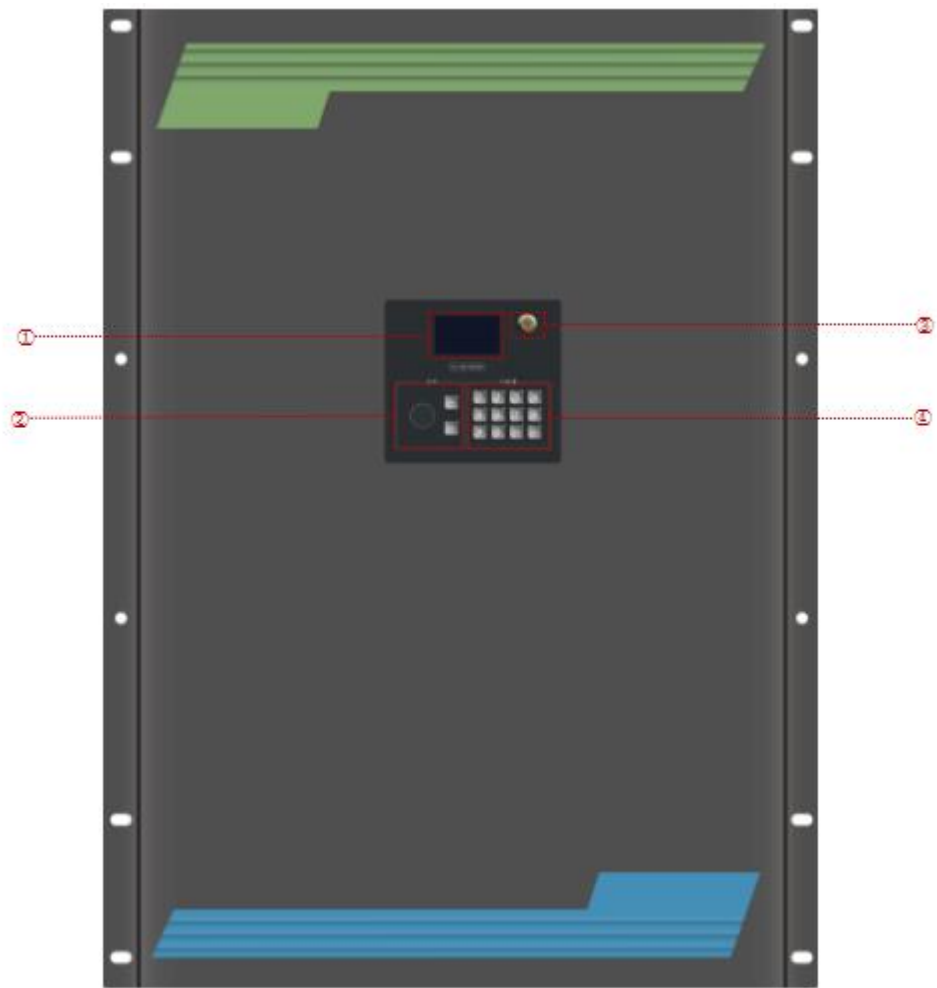


4U-Front Panel	
Order	Illustration
①	LCD Display Screen
②	Menu button
③	Function Button



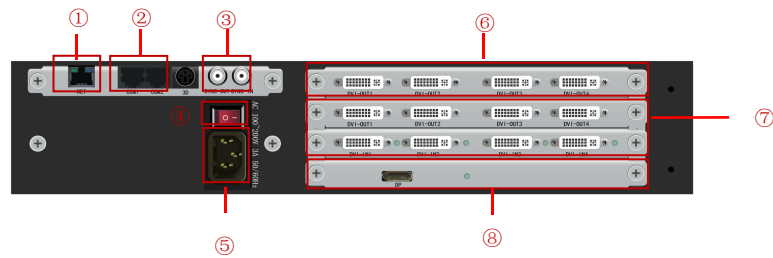
8U-Front Panel

Order	Illustration
①	LCD Display Screen
②	Menu button
③	Function Button

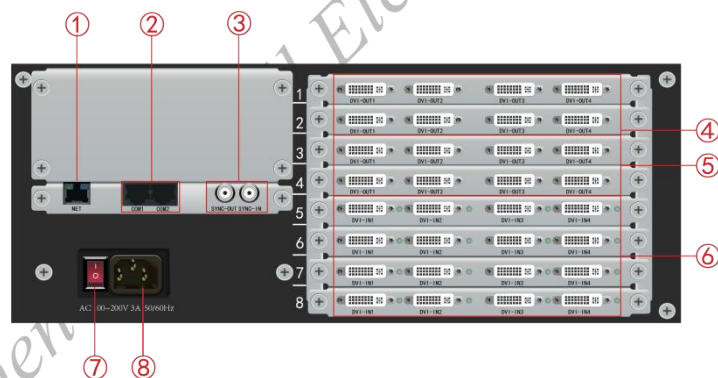


15U-Front Panel	
Order	Illustration
①	LCD Display Screen
②	Menu button
③	Function Button

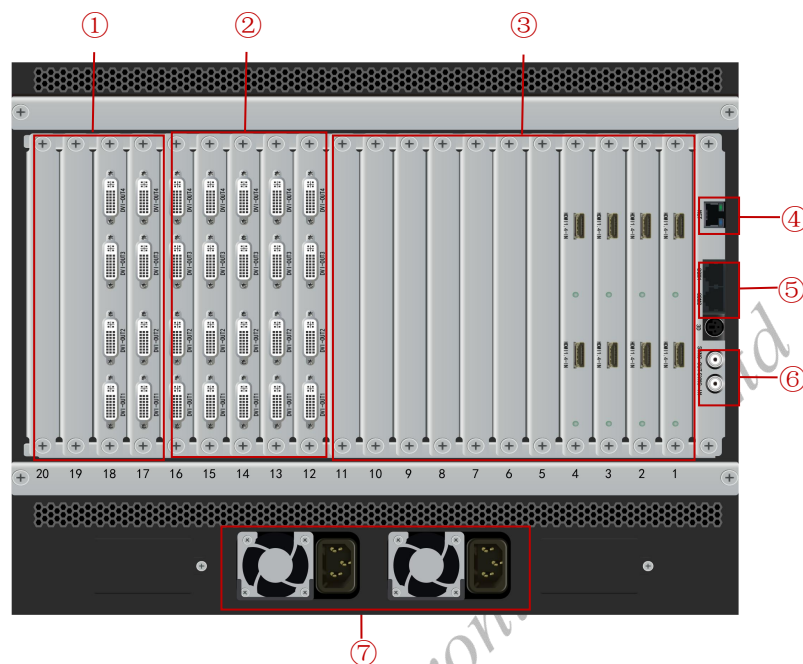
Rear Panel



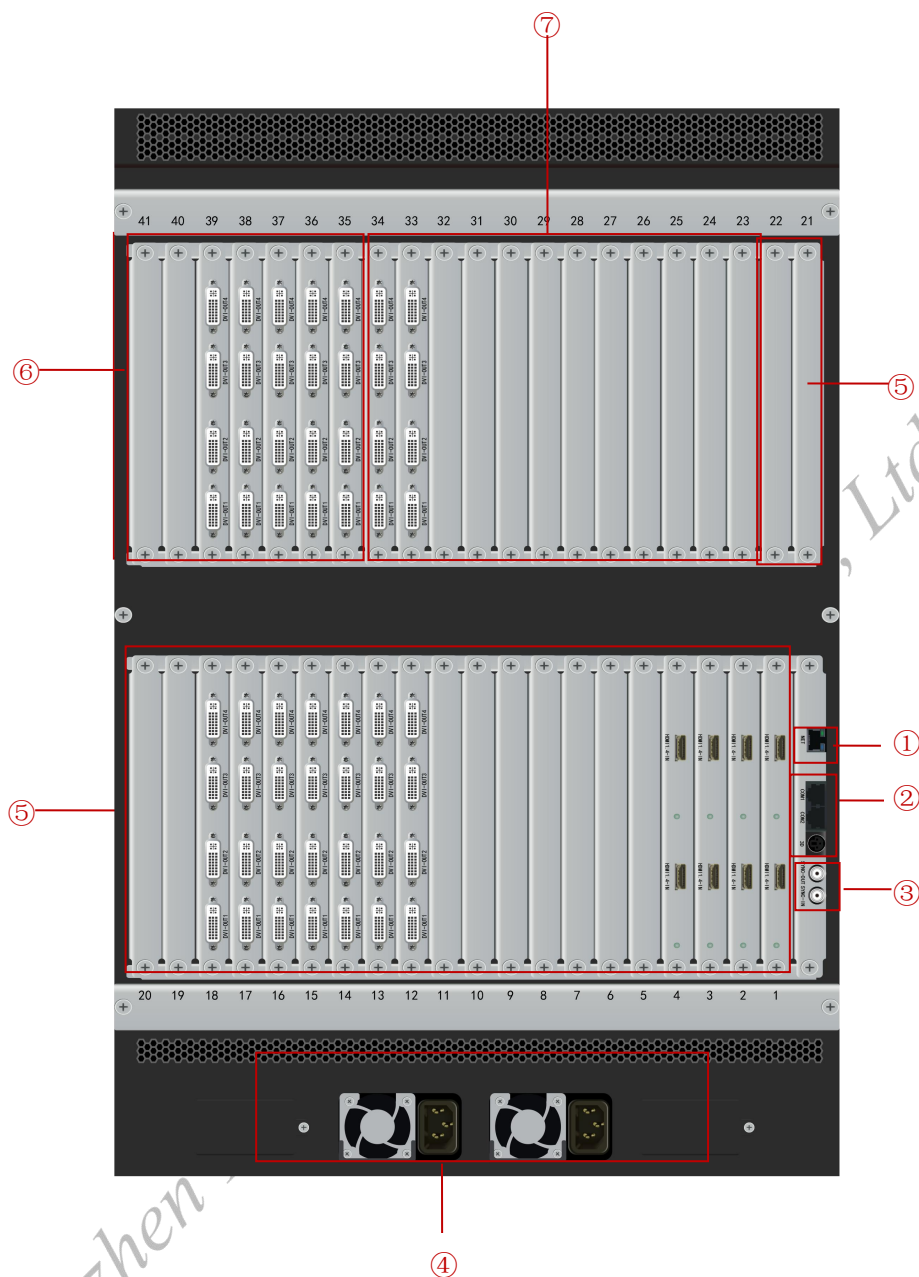
2U-Rear Panel	
Order	Illustration
①	RJ45
②	RS232
③	GenLock
④	Power On/Off
⑤	Power Socket
⑥	Output Slots
⑦	Public Slots
⑧	Input Slots



4U-Rear Panel	
序号	Illustration
①	RJ45
②	RS232
③	GenLock
④	Output Slots
⑤	Public Slots
⑥	Input Slots
⑦	Power On/Off
⑧	Power Socket



8U-Rear Panel	
Order	Illustration
①	Output Slots
②	Public Slots
③	Input Slots
④	RJ45
⑤	RS232
⑥	GenLock
⑦	Redundant Power Supply



15U-Rear Panel	
Order	Illustration
①	RJ45
②	RS232
③	GenLock
④	Redundant Power Supply
⑤	Input Slots
⑥	Output Slots
⑦	Public Slots

4 Product Specifications

Product Specifications		
Version	Simple Version	Enhanced Version
Chassis	2U/4U/8U/15U	2U/4U/8U/15U
Maximum Inputs	12/24/64/132	12/24/64/132
Maximum Outputs	12/16/36/76	12/16/36/76
Loading Capacity/LED OUT	2600Tousand	2600Tousand
Maximum Loading Capacity	31.2 (2U) 41.6million (4U) 93.6million (8U) 197.6million (15U)	31.2million (2U) 41.6million (4U) 93.6million (8U) 197.6million (15U)
Widest/Highest Pixels/Port	3840/3840	3840/3840
Maximum Image Layers	152	152
Maximum Number of screens	32	256
Note: Only the enhanced model (M) can be equipped with base map function, visual management,8U/15U equipment can be equipped with dual power supply		

Input Slots	
Interface type	Signal Specifications
CVBS	PAL/NTSC
VGA	VESA
SDI	480p、576p、720p、1080p
DVI	Only supports VESA standard DVI-D digital signals, supports EDID customization
HDMI	EIA/CEA-861, HDMI1.3, supports 1920x1080@60Hz
HDMI1.4	HDMI1.4 , supports 3840x2160@30Hz
HDMI2.0	HDMI2.0, supports 3840x2160@60Hz, EDID customization
DP	DP1.1, supports 3840x2160@30Hz
DP1.2	DP1.2, supports 3840x2160@60Hz, EDID customization
IPC	IP video stream/H.264 encoding; RTSP protocol

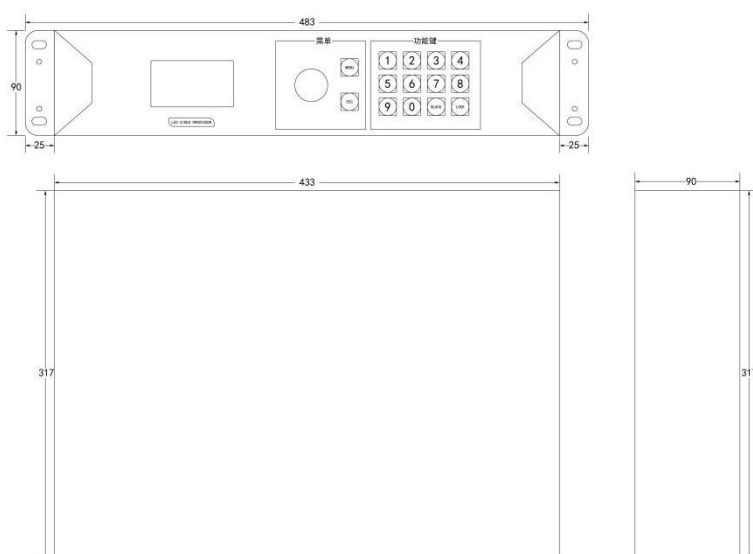
Output Slots	
Interface type	Signal Specifications
DVI	Single port 2.60 million point, support custom output resolution
HDMI	Single port 2.60 million point, support custom output resolution
HDMI2.0	3840×2160@60Hz(8290Thousand), EDID customization
DP1.2	3840×2160@60Hz(8290Thousand), EDID customization

Specs	
Dimensions	483×317×90 (2U) 483×317×175 (4U) 483×320×355 (8U) 439×442×667 (15U) (Length×Width×Height)
Chassis Weight	5.7Kg (2U) 9.8Kg (4U) 13.3Kg (8U) 18.8Kg (15U) Error±0.5Kg
Voltage	110~240V
Power consumption	102W(2U) 200.4W(4U) 550W*2(8U) 550W*2(15U)
Power Frequency	50~60Hz
Heat Dissipation	Fan
Operating Temperature	0~50°C

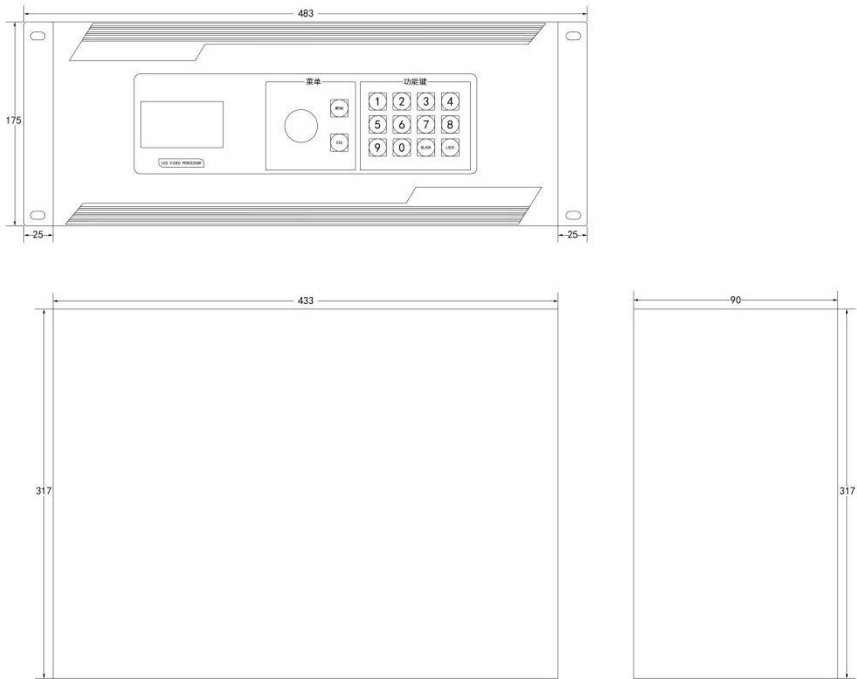
5 Product Dimensions

Product Dimensions

MVP8000S-2U

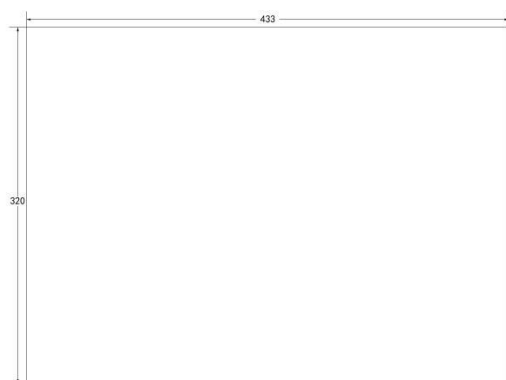
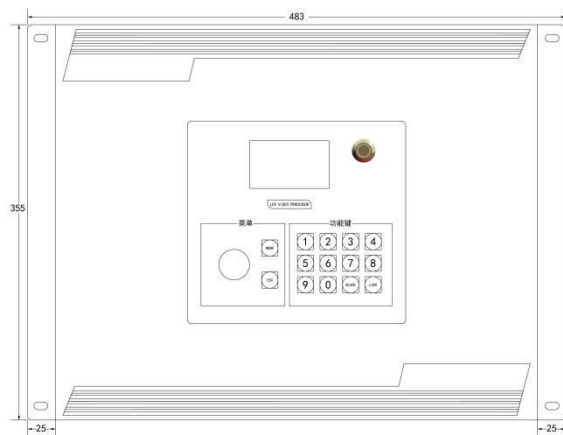


MVP8000S-4U



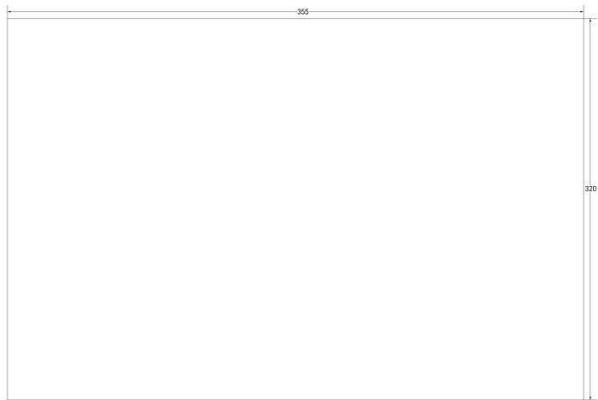
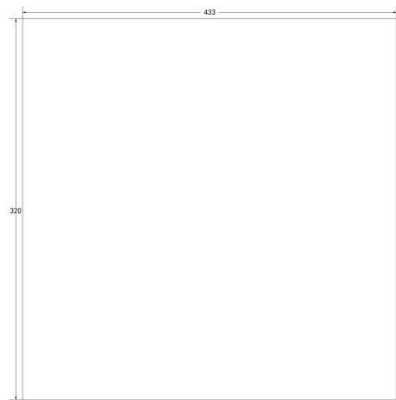
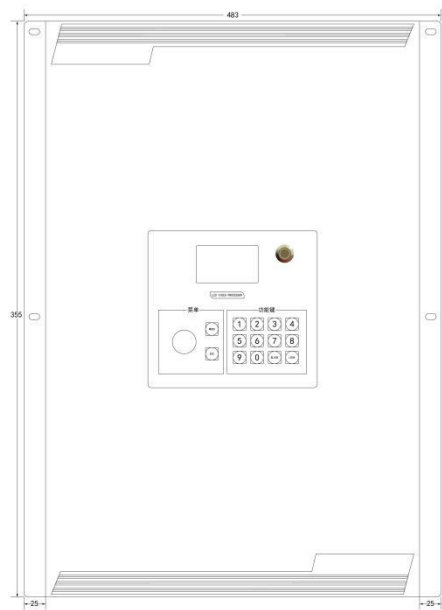
Shenzhen Mooncell E-

MVP8000S-8U



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MVP8000S-15U



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Please note the following precautions:

- High voltage danger: The operating voltage of this product is AC -100V to 240V.
- Do not allow liquids, metal fragments, or other conductive objects to enter the internal components of the device to avoid safety hazards.
- Please ensure that the device is used in a dry and clean environment.

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