



MA3000-8K60-104Pro

8K60 Multi-Screen Splicer

Data Sheet

Contents

1. Product Overview	- 1 -
2. Product Features	- 2 -
3. Product Specifications	- 2 -
4. Main Features	- 3 -
4.1. Point-to-point stitching	- 3 -
4.2. Multiple units in parallel	- 3 -
5. Appearance	- 4 -
5.1. Front panel	- 4 -
5.2. Back panel	- 4 -
6. Supported resolutions and dials	- 5 -

Update record

Document version	Release time	Update Instructions
V1.0	25 September 2025	First official release

1. Product Overview

The MA3000-8K60-104Pro is an industrial-grade, high-performance multi-screen processor designed for advanced multi-desktop and multi-channel display applications. It supports one 8K60 YUV420 input via HDMI or DP interface (selectable based on source type) and provides four 4K60 HDMI outputs for stable, ultra-clear, and smooth image delivery—enabling effortless splicing across up to four displays. Ideal for ultra-high-resolution desktops, engineering visualization, 4K projection, exhibitions, immersive VR environments, panoramic theaters, large advertising walls, and LED/LCD video walls.



2. Product Features

- Supports 1x 8K60 YUV420 signal input, HDMI or DP option, and access priority HDMI interface support diversity, ensuring clear images with rich detail.
- Supports 4 channels of 4K60 output, HDMI interface.
- Supports 2×2, 3×1 point-to-point splicing, no stretching, no distortion, wider field of view.
- Support EDID management and flexible selection of EDID via dip switches.
- Support parallel use of multiple units to ensure real-time display requirements for large screens.
- It adopts high-end programmable FPGA chips with 28nm process technology, a full-hardware real-time processing architecture, and ultra-fast processing speed without delay.
- Industrial-grade design, thickened 6-layer PCB board, 16KV super anti-static capability, super product stability.
- Low power consumption, energy-saving and environmentally friendly design, with overheat protection and anti-interference design, made of 18W thermal conductivity material, internal heat dissipation ensures long-term stable operation of the equipment, suitable for long-term use in various environments.
- The structure supports desktop small boxes and can also be equipped with 1U hanging ears on the cabinet. It also features a modular design for centralized power supply, with 2 boards forming a 1U chassis and 4 boards forming a 2U chassis.
- When used with Bit Window software, 8K60 multi-screen display can be achieved.

3. Product Specifications

Product Model	MA3000-8K60-104Pro
Input interface	1×HDMI 2.1, 1×DP 1.4, (8K60 copper wire ≤ 3m)
HDCP	Support HDCP2.2
Enter the maximum pixel clock frequency	1200MHz
Input maximum resolution	2× 2:7 680×4320P60 YUV 420, 7680×4800P60 YUV 420 3× 1:38 40×6480P60 YUV 420, 3840×7200P60 YUV 420
Enter color format	YUV420
Enter Color Depth	8bit
Output interface	4×HDMI 2.0 (4K60 copper wire ≤10 m)
Output the maximum pixel clock frequency	600MHz
Output resolution	3840×2160P60, 3840×2400P60
Output color format	RGB444
Output Color depth	8bit

Audio	3.5MM audio separation
Power supply	12V5A
Power consumption	20W
Storage/working temperature	-10 to 50 ° C/0 to 50 ° C
Product dimensions	Length × Width × height: 290mm×143mm×35mm
Product weight	1.2 KG
Packaging size	Length × Width × height: 360mm×215mm×70mm
Packaging weight	1.7 KG
List of Attachments	1×12V5A power adapter, 1×HDM I2.1 cable or DP 1.4 cable, 2×1U earplugs (optional), 2× desktop small earplugs (optional)
After-sales service	3 years

4. Main Features

4.1. Point-to-point stitching

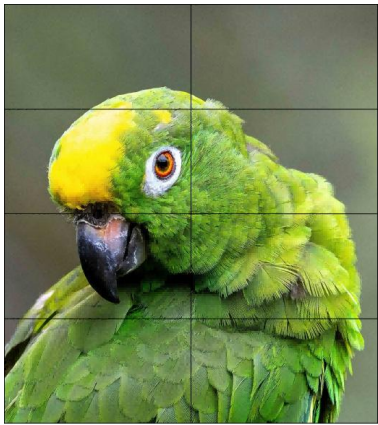


2×2 7680×4320P60, 7680×4800P60

4.2. Multiple units in parallel



2×4 15360×4320P60

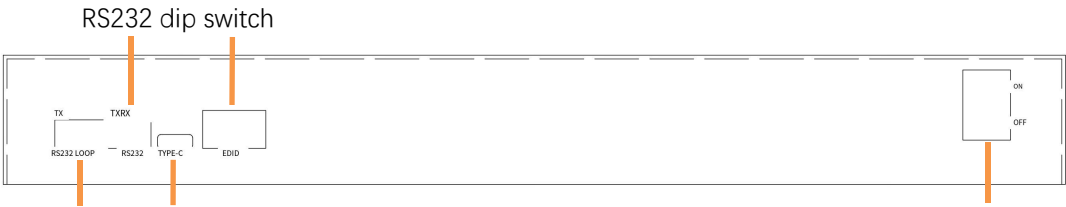


4×2 7680×8640P60

Note: A dedicated graphics card with Surround or Mosaic is required.

5. Appearance

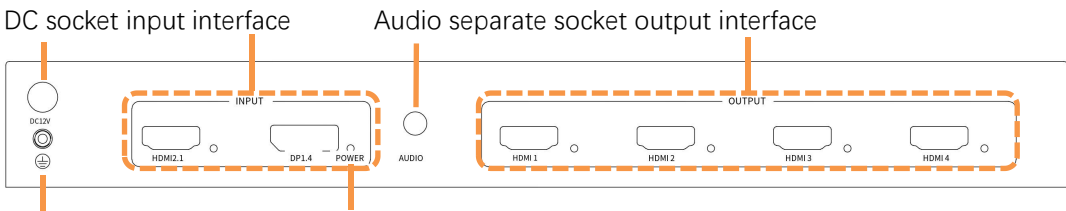
5.1. Front panel



RS232 loop-out TYPE-C switch

Explanation	Features
RS232	Not available
RS232 loop-out	No function, not open
TYPE-C	For upgrading software
Dip switch	For modifying the EDID, see the dial instructions
Switch	ON on, OFF off

5.2. Back panel



Ground power indicator light

Note: The product images are for reference only. The actual product purchased shall prevail.

Notes	Features
Grounding	Connect the grounding system with wires
DC socket	Connect to a 12V5A power adapter with threads, anti-drop
Input interface	HDMI 2.1/DP 1.4 Select one input, green indicator light remains on, signal input
Power indicator light	Red constantly on, the device is powered on and working
Audio separation seat	3.5MM sockets, external speakers, etc
Output interface	4 HDMI 1.4 ports, green light on, connect to display devices

6. Supported resolutions and dials

- The product is equipped with a six-digit dip switch, through which the EDID of the product can be adjusted. Dial up for 1 and dial down for 0. See the table below for details.
- When performing the dial-up operation to modify the EDID, the input green light will remain on, the green light will go off, and the dial-up is completed.

Dial number	Splicing mode	Output resolution	Input Resolution
111111	2 x 2	3840×2160P60	7680×4320P60 YUV420
111110	2 x 2	3840×2400P60	7680×4800P60 YUV420
111100	3 x 1	3840×2160P60	3840×6480P60 YUV420
111101	3 x 1	3840×2400P60	3840×7200P60 YUV420

Note: Recommended input source configuration

HDMI input:

NVIDIA: GeForce RTX 30 Series and above.

AMD: RX 6600 and above.

DP input:

NVIDIA: GeForce RTX 50 Series and above, Quadro P4500 and above, NVIDIA RTX A5000 and above.

AMD: RX 6600 and above.

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