



MC-2087 Multimedia Scan Converter

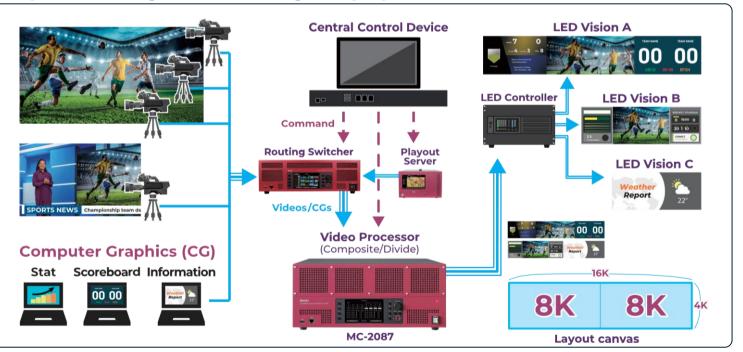


OUTLINE

- The MC-2087 is a super high-performance video processor (Composing/Dividing) for large displays with 8K/4K/HD Input/Output.
- Astrodesign's specialty in FPGA-based hardware design creates both stability and robustness, as well as ultra-fast processing of large amounts of video data (16Kx4K) with precision (dot-by-dot) and low latency (2frames).



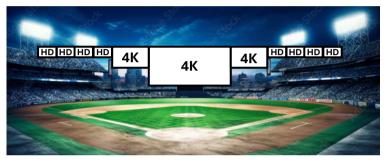
System Configuration for Large Display Control at Stadiums and Arenas



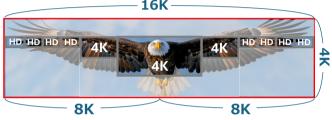


1. Horizontally Integrated Large Screen Display









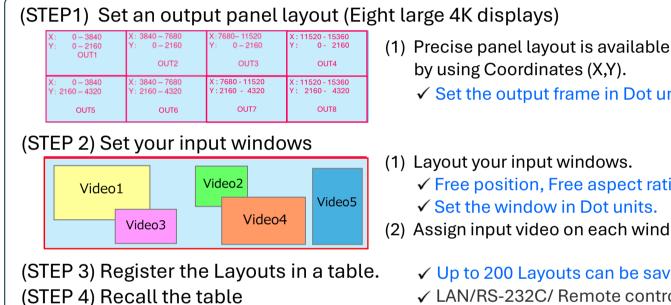
- The horizontally integrated LED Vision can be treated as one huge image on which to project other dynamic images.
- 2. Multiple LED Screen Display MC-2087 Layout Canvas (8Kx4K) X:7680 X:0 Y:0 **8K** <- O</p> 0 **BIG NOISE!!** BIG NOISE!! **BIG NOISE!!** 6 **BIG NOISE!!** RIG NOISEI 3 0 4 6 4k 6 BIG NOISE! 🔊 BIG NOI Ø 🗴 BIG NOISE!! 🎄 BIG NOISE!! 🌋 BIG NOISE!! 🌋 BIG NOISE! X:0 X:7680 MC-2087 Y:4320 Y:4320 Large Center LED Vision Live Video/Replay Video Player/Team Information Coordinate Information Video Out Stats (x,y) **28** Center Hanging LED Vision LED Live Video/Replay Video Controller Character Generator Points 94 ✓ LED Controller extracts the video frame from the video output from the MC-2087 **0000** Ribbon LED Vision by referring to the coordinate data. Character Generator The large canvas that MC-2087 can BIG NOISE!! 🔊 BIG NOISE! make gives customers the freedom to layout more videos in a single space, 💰 BIG NOISE!! 🌋 BIG NOISE!! 🌋 BIG NOISE!! 🏂 BIG NOISE!! enabling them to make clear video and CG than other comparable products.



The MC-2087 has 2 types of canvases.

- a) 7680 x 4320 b) 15360 x 4320
- * By linking two or three MC-2087s together, customers can create canvases larger than16Kx4K.

Operation



(1) Layout your input windows. ✓ Free position, Free aspect ratio ✓ Set the window in Dot units.

by using Coordinates (X,Y).

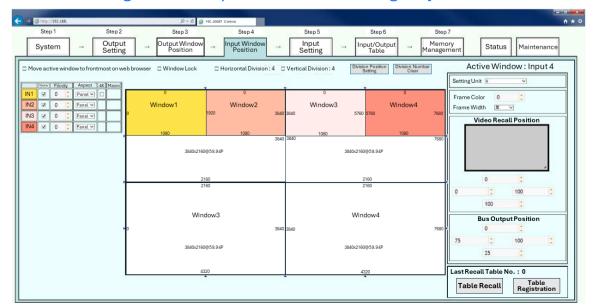
- (2) Assign input video on each window.
 - ✓ Up to 200 Layouts can be saved.

✓ Set the output frame in Dot units.

✓ LAN/RS-232C/ Remote control from external controller

MC-2087 Web Control Panel

- ✓ Easy-to-understand UI and precise settings available in Dot units.
- ✓ Check and change of In/Out point and tables using only a Web-based software.



3. Selling Points

1. Super high-speed video signal processing

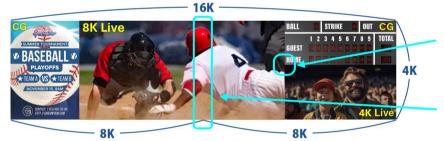
- ➔ Smooth layout change even for the videos with a large amount of data on a 16Kx4K canvas.
- → Real-time video processing with a delay of only 2 frames (Most software-based products have a longer delay.)





✓ Perfect for sports that compete on speed!
✓ MC-2087 supports 4K/120p, HD/240p.

2. Frameless and precise layout and scaling with **Dot-by-Dot precision**.



Possible to place and scale the frames with "Dot-by-Dot" precision using the X/Y coordinate setting (not the percentage setting)

Frameless display

3. Saving in cost, space and power consumption

➔ The MC-2087 with 16Kx4K has more than 4 times bigger canvases compared to devices with 4K canvases. When it comes to Cost/Space/Power consumption, the MC-2087 is a top saver.

4. Actual installations with AMX and CRESTRON control systems in Japan.

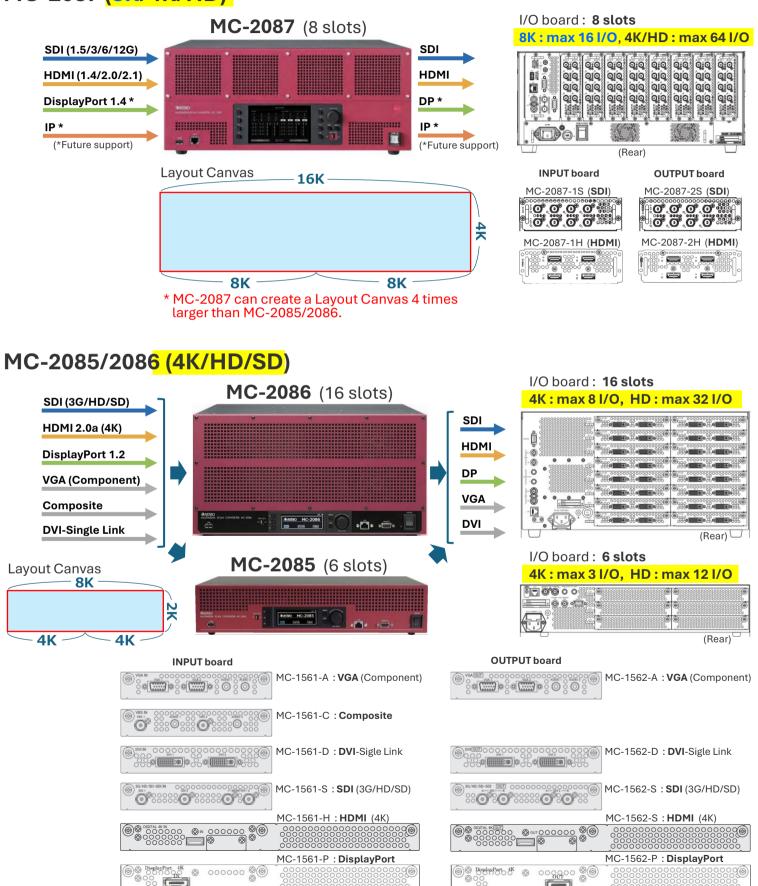
➔ The total sales for the MC series (MC-2085/2086/2087) exceed 500 systems in Japan. Most are used in the sport stadiums and arenas. Many units are operating in systems with AMX/CRESTRON central control devices at the large famous sports stadiums.

5. Maintenance-free and reliable hardware design.

➔ In recent years, software-based products have been on the rise, but those require long start-up times and frequent application/OS updates. Once the total system has been installed in a stadium, having to carry out updates is necessary for ensuring quality, but risky as it is required not only for the device but for total system. Ensuring maintenance-free products is essential for customers who use the system in critical locations and over long periods of time. Also the time for maintenance can be reduced.

4. MC Series Comparison : MC-2085, 2086, 2087

MC-2087 (8K/4K/HD)



5. Applications

High-Definition Display

Simulators, Presentations, R&D

We provide special system environments that maintain reproducibility, such as simulation systems that require color and detailed images at their actual size, and image quality comparisons of different images in high-definition conditions.

Displays Multiple Pieces of Information at Once

Crisis Management :

- Transportation - Disaster Prevention

Based on high-definition map information, we provide a monitoring environment that enables accurate situational judgement by deploying video and graphic information according to various aspects.





For more information about MC-2087

https://www.astrodesign.co.jp/english/product/mc-2087

CLICK!

For more information about MC-2085/2086 https://www.astrodesign.co.jp/english/product/mc-2085_2086

CLICK

For inquiries about MC-2085/2086/2087

https://www.astrodesign.co.jp/english/form/mailform.cgi?type=default

Large Indoor/Outdoor Display

Sporting Facilities, Signage

For entertainmentoriented large display environments, it displays videos at optimal sizes even on oddly shaped displays and important text information in its original quality.

Medical Facilities

Information Display
Conference

We assist advanced medical solutions by displaying images of medical equipment such as surgical field cameras, endo-scopes, and microscopes, as well as electronic information such as electronic medical records, all at once.



About MC-2085/2086





