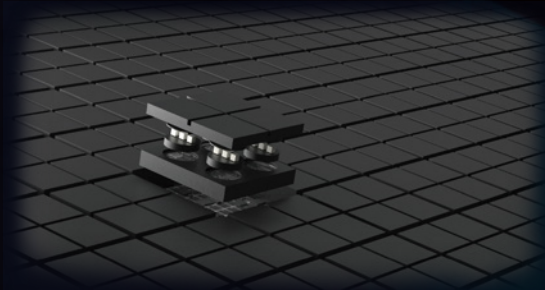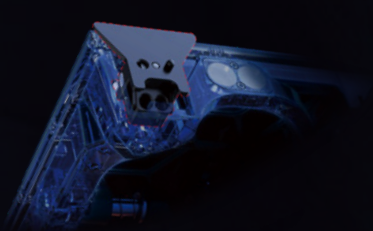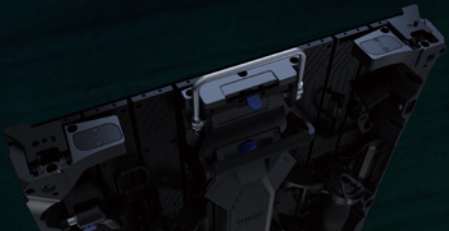# RM Product Features

Patented Mini 4-in-1 Technology

The RM series utilizes four-in-one array packaging technology, increasing the LED light-emitting aperture rate from 40% to 80%, effectively suppressing the formation of moiré. The Mini LED structure is highly robust, with a thrust strength improvement of over 400%, making it ideal for indoor rental events. This design significantly reduces the risk of LED chips falling off due to impacts during installation.

Comprehensive Edge Protection

Each corner of the RM series is equipped with an automatic protection device, which activates the defence mechanism at the moment of collision, effectively preventing collision damage during transportation and installation.

Rapid Assembly

Eliminate the traditional tool-based design with an integrated locking configuration and magnetic-assisted installation, enabling quick locking and significantly improving the efficiency of assembly and disassembly.

Multiple Installation Options

RM offers exceptional visual performance and diverse creative options. Its assembly process maintains the precision and convenience familiar to AOTO products. RM also supports effortless hanging and stacking designs, ensuring seamless installation and enabling limitless possibilities and flexibility for various stage design solutions.

Application

Corporate Launch Event

Indoor Concert

Salon Forum

Specifications

Model	RM1.5C	RM1.5E
Pixel Pitch	1.56 mm	
LED Type	MINI 4in1, (Flip Chip)	
Pixel Density	409,600 dots/㎡	
Pixel Configuration	1R 1G 1B	
Cabinet Size	500(W) x 500(H) x 67.5(D)	
Cabinet Resolution	320(W) x 320(H)	
Cabinet Weight	≤9KG	≤8.2KG
Cabinet Material & Color	Mg-AI alloy, Black	
Curve	−30°~30°	±5°
Brightness	≥1,500 nits	
Viewing Angle	H:170°±8°; V:170°±8°	
Scan Rate	1/16	
Refresh Rate	7,680 Hz	
Contrast Ratio	15,000:1	
Input Voltage	100-240V,50/60Hz	
Max Power	175 W; 700 W/m²	
Average Power	55 W; 250 W/m²	
IP Rating	Indoor	
Maintenance	Rear	Front & Rear(Module Front Maintenance)
Lifespan	100,000 Hours	
Operating Environment	Temperature: −10℃~40℃ / Humidity：10% - 80% RH No condensation	

*The specifications are for reference, actual parameter may vary based on the special model or contract.

RMxC Series

Indoor Flexible Rental LED Display

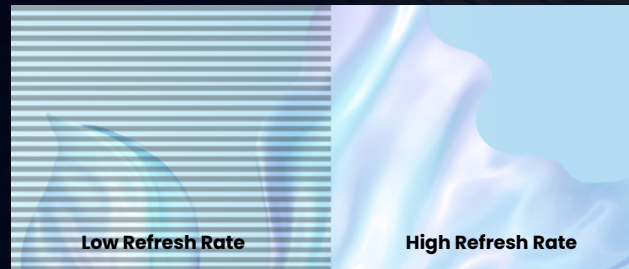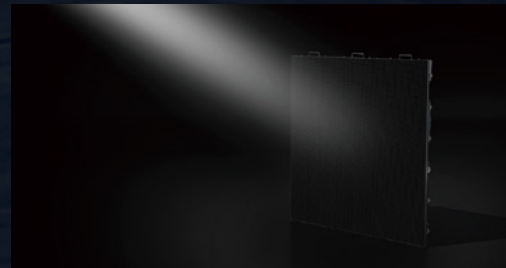Mini 4 in 1   Curved Display   Multi-dimensional Splicing   Product Compatibility
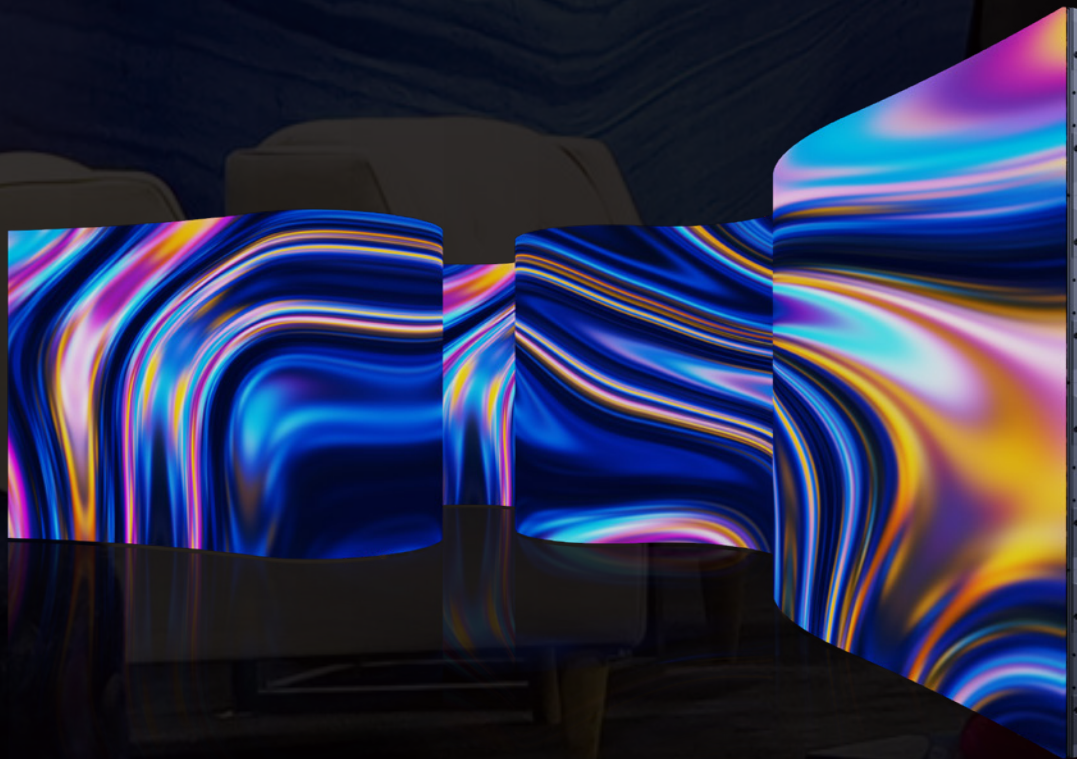
AOTO

High-Performance Display

Ultra-high Refresh Rate

The RMxC supports an ultra-high refresh rate of 7680Hz, ensuring smooth display performance in any rental scenario. It provides no scan lines during filming in large corporate meetings, forums, and other rental applications, delivering a flawless visual experience.

Low Refresh Rate **High Refresh Rate**

Low Reflectivity

The design features a unique cross-shaped light absorption groove, keeping the screen's reflectivity below 5%. Combined with high carbon content LEDs, it effectively enhances contrast and ensures excellent color consistency.

Product Compatibility and High Adaptability

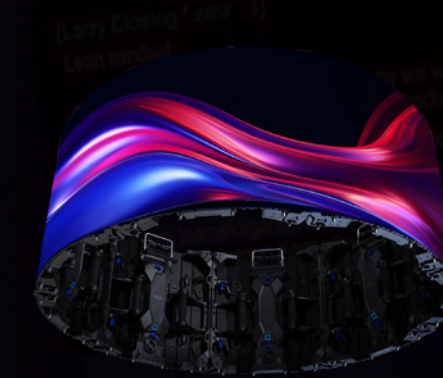### Power Box Compatible and Interchangeable

The RMxC series uses the same power box and highly compatible accessories as the RM/RMxE series, supporting rear maintenance. Ensures quick component replacement and interchangeability while maintaining compatibility between parts, resulting in more stable performance.
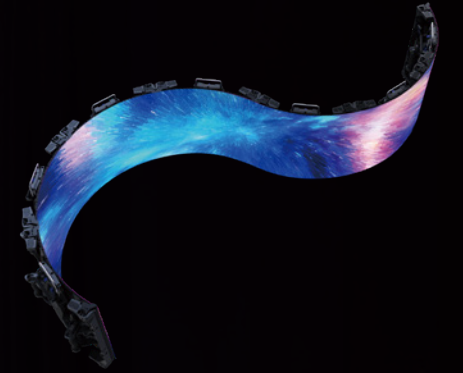
RMxE

RM/RMxC

RMxC

RMxE

Product High Adaptability

Each side of the RMxC can seamlessly connect with RM/RMxE series panels, allowing flexible configurations to meet diverse display needs in various scenarios. RMxC is compatible with RMxE, enabling mixed usage.

Efficient Installation and Creative Configuration

Cylindrical Screen

Concave and Convex Arc Splicing

Breaking flat limits

The RMxC supports cylindrical splicing, allowing you to easily create a cylindrical display with a diameter of 1.91 meters using just twelve cabinets (each adjustable by 30°). This flexibility adapts to various display needs, breaking the limitations of traditional display methods and redefining immersive visual experiences.

Adjustable Curve

The RMxC allows for both concave and convex curve splicing, with an adjustable curvature range of −30° to 30°. Precise angle adjustments ensure perfect alignment of all display sections, delivering a seamless, high-quality stage effect.

www.aoto.com