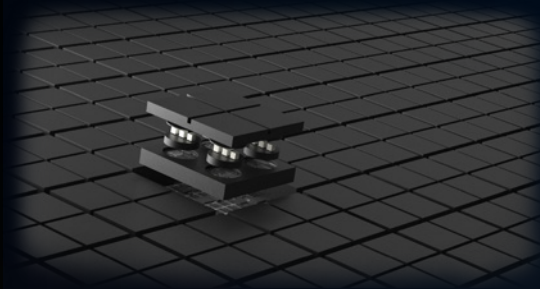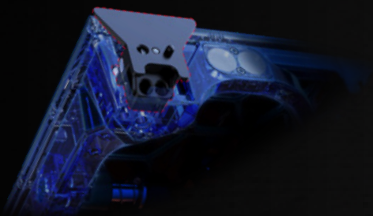# AOTO

Mini LED, Cutting-edge Technology

Patented Mini 4-in-1 LED

RM series adopts four-in-one arrayed packaging technology, which increases the LED light-emitting opening ratio from 40% to 80% and effectively suppresses the formation of moire.
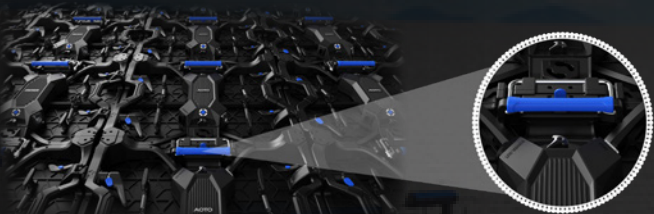
Extraordinary Structural Design

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 Installation

Get rid of the traditional tooled design with an integrated locking configuration. Adopts silicone grips to ensure screen flatness while making installation and removal comfortable and efficient.
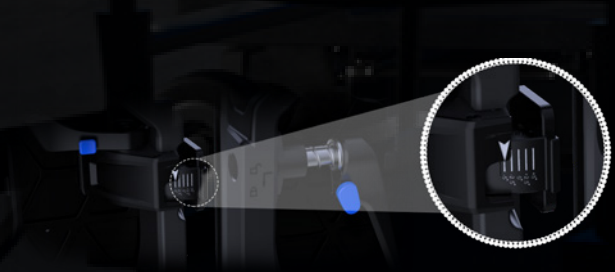
Diversified Installation

The RM series supports both stacking and hanging installation. In the VP/XR virtual production studio, in addition to the facade-screen application, the RM series can also be equipped with a boom and a support plate to be used as a canopy screen.

Adjustable Curve

RM series can be flexibly adjusted arc ruler design, 0°, ± 2.5°, ± 5° precision adjustment, concave and convex curving capabilities building effect easily realized.

www.aoto.com

RM Series

Born for Virtual Production

Specifications

Model	RM1.5	RM1.5E	RM1.9	RM2.3	RM2.3E
Pixel Pitch	1.56 mm		1.95 mm	2.31 mm	
LED Type	Mini 4 in 1, (Flip Chip)		Mini 4 in 1		
Pixel Density	409,600 dots/m²		262,144 dots/m²	186,624 dots/m²	
Pixel Configuration	1R 1G 1B				
Cabinet Size	W:500 mm, H:500 mm, Depth:67.5 mm				
Cabinet Resolution	320(W) x 320(H)		256(W) x 256(H)	216(W) x 216(H)	
Cabinet Weight	8.2 kg/Cabinet				
Cabinet Material & Color	Mg-Al alloy, Black				
Curve	-5°, -2.5°, 0°, 2.5°, 5°				
Brightness	≥1,500 nits				
Viewing Angle	H:170°± 8° ; V:170°± 8°				
Scan Rate	1/10	1/16	1/8	1/6	1/18
Refresh Rate	7,680 Hz				
Contrast Ratio	15,000:1		12,000:1	10,000:1	
Input Voltage	AC100V to AC240V, 50 or 60 Hz				
Max Power	190 W; 760 W/m²	150 W; 600 W/m²	150 W; 600 W/m²	167 W; 668 W/m²	153 W; 612 W/m²
Average Power	95 W; 380 W/m²	60 W; 240 W/m²	55 W; 220 W/m²	52 W; 208 W/m²	53 W; 212 W/m²
IP Rating	Indoor				
Maintenance	Front & Rear				
Lifespan	100,000 Hours				
Operating Environment	Temperature: -10°C~40°C / Humidity: 10% ~ 80% RH				

*The specifications are for reference, actual parameter may vary based on the special model or contract.
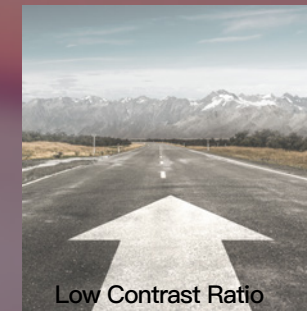
Mini 4in1   15,000:1   7680 Hz   1/6 Scan Rate

AOTO

Impeccable Display

99.9% DCI-P3 Gamut

The DCI-P3 colour gamut is the standard for Hollywood movies, and the RM series achieves 99.9% DCI-P3 colour gamut coverage, displaying more vibrant and accurate colours.
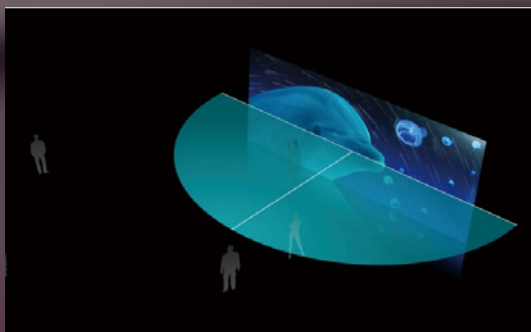
15000:1 High Contrast

The RM series has an excellent colour advantage and high contrast, presenting a more distinctive picture with high contrast, sharper image quality, rich details, vivid colours, and accurate reproduction of image realism.

Low Contrast Ratio   Higher Contrast Ratio

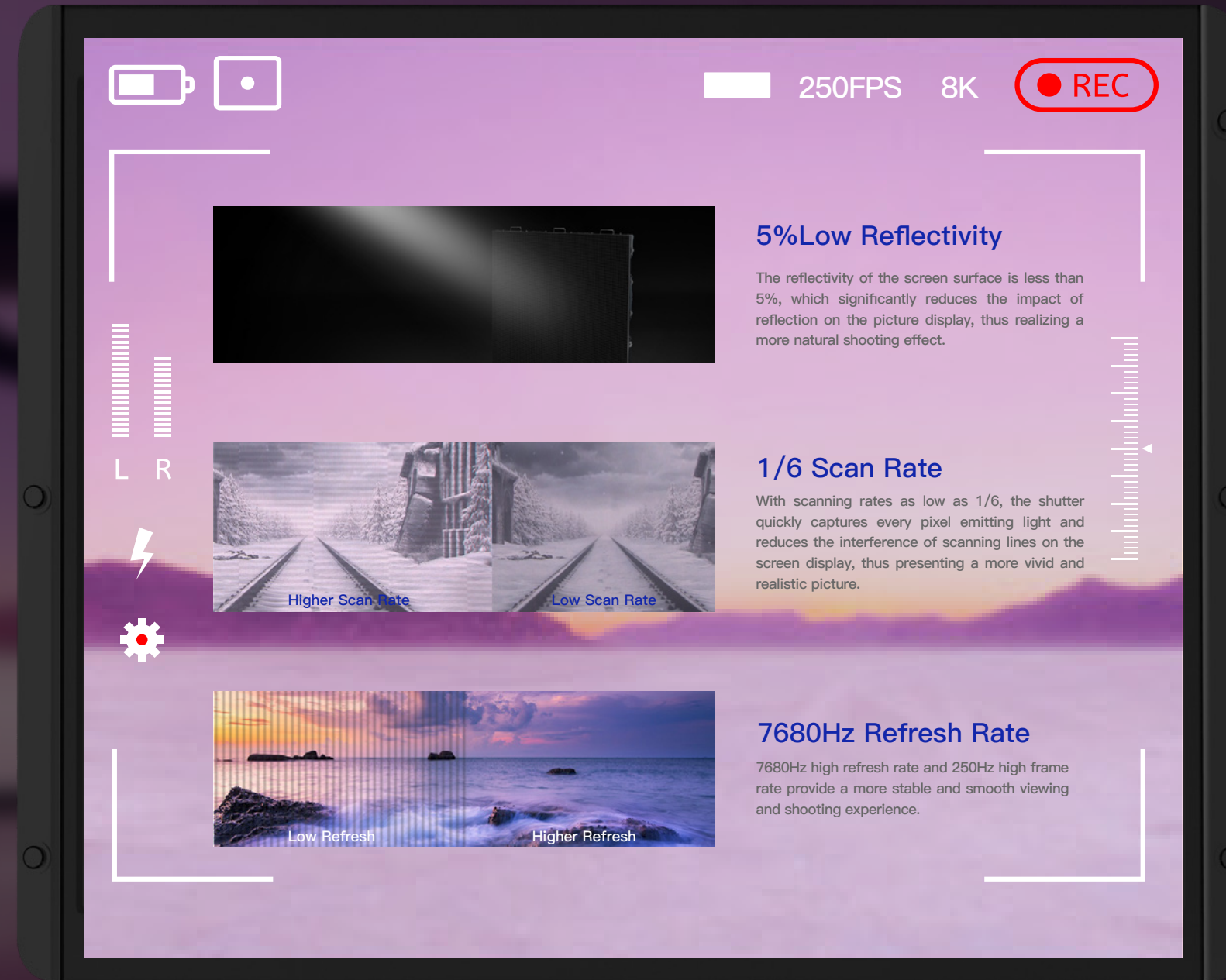30Hz   60Hz   120Hz   240Hz

250Hz High Frame Rate

With a maximum frame rate of 250Hz, it perfectly renders more details in high-speed motion pictures, making shooting smoother and delivering the ultimate shooting experience.

170° Viewing Angles

The RM series offers excellent colour consistency and uniformity from parallel and vertical angles, a wide field of view, and a wide range of scenes to accommodate more images.
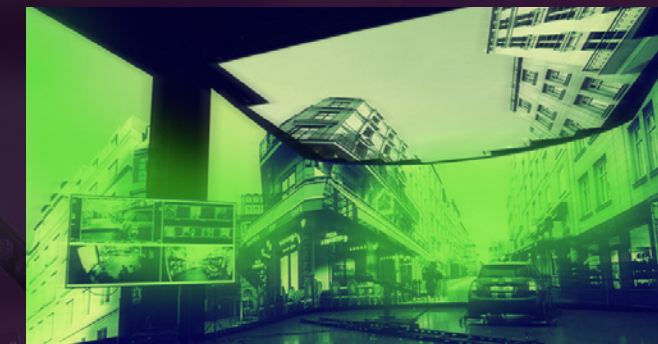

◼ □   250FPS   8K   ● REC

L R

5%Low Reflectivity

The reflectivity of the screen surface is less than 5%, which significantly reduces the impact of reflection on the picture display, thus realizing a more natural shooting effect.

1/6 Scan Rate

With scanning rates as low as 1/6, the shutter quickly captures every pixel emitting light and reduces the interference of scanning lines on the screen display, thus presenting a more vivid and realistic picture.

Higher Scan Rate   Low Scan Rate

7680Hz Refresh Rate

7680Hz high refresh rate and 250Hz high frame rate provide a more stable and smooth viewing and shooting experience.

Low Refresh   Higher Refresh

Perfect Capture ,Exceptional Filming

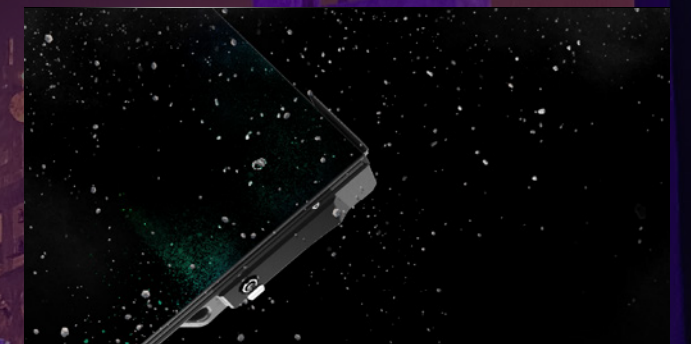---

Ideal Filming Situation

*Tencent studio filming record

ColdScreen Technology

The RM series adopts several energy-saving technologies and has a highly efficient heat-conducting aluminium frame design.
Reducing energy consumption while achieving excellent heat dissipation performance, maintaining the appropriate screen operating temperature to ensure stable equipment operation during shooting, and keeping the shooting site cool and comfortable.

Stable & Durable Cabinet

Using the most advanced nano-coating technology, it is dustproof, waterproof and resistant to a variety of chemicals, effectively reducing the potential risk of damage to the e-screen and easy to clean particles on the display surface, providing long lasting and reliable use.