

# AirMAG-R

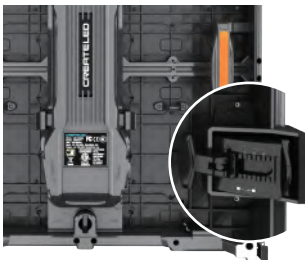
## Small Pixel Pitch, Big Screen

Advanced High Definition Indoor LED Display  
Super Slim and Super Light Panel Design  
Superior Colour Performance  
Super Efficient Heat Dissipation Design



## Versatility

- › AirMAG-R panel provides high precision angle assembly mechanism, being compatible with angle and straight screen splicing.



## Super Slim

- › The AirMAG-R has a panel depth of only 89.6 mm.

## Fast and Convenient Installation

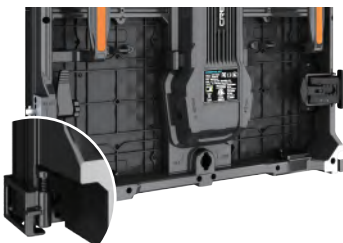
- › Magnetic suction available, aiming for rapid-installation.
- › Module magnetic suction and plug-in structure, power box tool-free disassembly and modular design enable the maintenance easier and faster.
- › High precision machining and seamless stitching.



Interlocking panel system is adjustable from  $\pm 0^\circ$  to  $\pm 10^\circ$

## Panel Protection Angle

- › The design of anti-bump and corner protection will effectively prevent module from bumping damage.



## HD

## AirMAG-R / Specifications

	AirMAG-R 1.4	AirMAG-R1.6	AirMAG-R 1.9
Physical Pitch	1.4 mm	1.6 mm	1.9 mm
Pixel Configuration	SMD 1010	SMD 1010	SMD 1010
Pixel Density	509,796 pixels/m <sup>2</sup> 112,896 pixels/panel	390,625 pixels/m <sup>2</sup> 90,000 pixels/panel	276,676 pixels/m <sup>2</sup> 65,536 pixels/panel
LED Module Dimensions (mm)	250 × 250	250 × 250	250 × 250
Panel Dimensions (W × H × D) (mm)	500 × 500 × 89.6 *	500 × 500 × 89.6 *	500 × 500 × 89.6 *
No. of Modules Per Panel (W × H)	2 × 2	2 × 2	2 × 2
Physical Resolution of Module (W × H)	168 × 168	150 × 150	128 × 128
Physical Resolution of Panel (W × H)	336 × 336	300 × 300	256 × 256
Weight Per Panel	9.5 kg/panel *	9.45 kg/panel (▲ 10.5 kg/panel) *	9.32 kg/panel *
Weight Per m <sup>2</sup>	38 kg/m <sup>2</sup> *	37.8 kg/m <sup>2</sup>	37.28 kg/m <sup>2</sup> *
Processing	14 - 16 bit	14 - 16 bit	14 - 16 bit
Colours	281 trillion	281 trillion	281 trillion
Contrast Ratio	4,000 :1	4,000 :1	4,000 :1
Average Power Consumption	55 - 92 w/panel *	55 - 92 w/panel *	55 - 92 w/panel *
Max Power Consumption	184 w/panel *	184 w/panel *	184 w/panel *
Operating Temp/Humidity	-10 - 40 °C/ 10% - 60%	-10 - 40 °C/ 10% - 60%	-10 - 40 °C/ 10% - 60%
Storage Temp/Humidity	-30 - 60 °C/ 10% - 60%	-30 - 60 °C/ 10% - 60%	-30 - 60 °C/ 10% - 60%
Brightness	600 - 800 nits	600 - 800 nits	600 - 800 nits
Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz
Horizontal Viewing Angle	160°	160°	160°
Vertical Viewing Angle	140°	140°	140°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs	100,000 Hrs
Max Stacking	20 panels *	20 panels *	20 panels *
Max Hanging	16 panels *	16 panels *	16 panels *
Curve Support( -: concave; +: convex)	0°	0°	0°
Servicing	Front and Back *	Front and Back *	Front and Back *
IP Rating	IP 30	IP 30	IP 30
Certification	CE, EMC ClassB, ETL, RoHS, FCC *	CE, EMC ClassB, ETL, RoHS, FCC *	CE, EMC ClassB, ETL, RoHS, FCC *

▲ Ebony Technology Version

\*The specification will be different based on different configuration.

**Remark:** Just for reference. If any request, welcome to contact us. The final interpretation belongs to ShenZhen CreateLED Electronics Co., Ltd.

## Typical Applications

- › Car show
- › Shopping mall
- › Opera house
- › Theme resort
- › Monitoring command and control center
- › Reception hall
- › Fashion store / show
- › Theatre stage design
- › High-level video conferencing
- › House of Worship
- › Window display
- › Airport
- › Stadium
- › Wedding

# HD

## AirMAG-R / Specifications

	AirMAG-R 2.2	AirMAG-R 2.6
Physical Pitch	2.2 mm	2.6 mm
Pixel Configuration	SMD 1515	SMD 1515
Pixel Density	206,116 pixels/m <sup>2</sup> 50,176 pixels/panel	147,456 pixels/m <sup>2</sup> 36,864 pixels/panel
LED Module Dimensions (mm)	250 × 250	250 × 250
Panel Dimensions (W × H × D) (mm)	500 × 500 × 89.6 *	500 × 500 × 86 *
No. of Modules Per Panel (W × H)	2 × 2	2 × 2
Physical Resolution of Module (W × H)	112 × 112	96 × 96
Physical Resolution of Panel (W × H)	224 × 224	192 × 192
Weight Per Panel	8.53 kg/panel *	7.91 kg/panel *
Weight Per m <sup>2</sup>	34.12 kg/m <sup>2</sup> *	31.64 kg/m <sup>2</sup> *
Processing	14 - 16 bit	14 - 16 bit
Colours	281 trillion	281 trillion
Contrast Ratio	4,000 : 1	4,000 : 1
Average Power Consumption	41 - 69 w/panel *	41 - 69 w/panel *
Max Power Consumption	138 w/panel *	138 w/panel *
Operating Temp/Humidity	-10 - 40 °C/ 10% - 60%	-10 - 40 °C/ 10% - 60%
Storage Temp/Humidity	-30 - 60 °C/ 10% - 60%	-30 - 60 °C/ 10% - 60%
Brightness	800 - 1,000 nits	1,000 - 1,200 nits
Refresh Rate	3,840 Hz	3,840 Hz
Horizontal Viewing Angle	160°	160°
Vertical Viewing Angle	140°	140°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs
Max Stacking	20 panels *	20 panels *
Max Hanging	16 panels *	16 panels *
Curve Support(-: concave; +: convex)	0°	-10°/-5°/0°/+5°
Servicing	Front and Back *	Front and Back *
IP Rating	IP 30	IP 30
Certification	CE, EMC ClassB, ETL, RoHS, FCC**	CE, EMC ClassB, ETL, RoHS, FCC

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# HD

## AirMAG-R / Specifications

	AirMAG-R 2P	AirMAG-R 3
Physical Pitch	2.9 mm	3.9 mm
Pixel Configuration	SMD 2020	SMD 2020
Pixel Density	118,336 pixels/m <sup>2</sup> 28,224 pixels/panel	65,536 pixels/m <sup>2</sup> 16,384 pixels/panel
LED Module Dimensions (mm)	250 × 250	250 × 250
Panel Dimensions (W × H × D) (mm)	500 × 500 × 86 *	500 × 500 × 86 *
No. of Modules Per Panel (W × H)	2 × 2	2 × 2
Physical Resolution of Module (W × H)	84 × 84	64 × 64
Physical Resolution of Panel (W × H)	168 × 168	128 × 128
Weight Per Panel	7.63 kg/panel *	7.4 kg/panel *
Weight Per m <sup>2</sup>	30.52 kg/m <sup>2</sup> *	29.6 kg/m <sup>2</sup> *
Processing	14 - 16 bit	14 - 16 bit
Colours	281 trillion	281 trillion
Contrast Ratio	4,000 : 1	4,000 : 1
Average Power Consumption	41 - 69 w/panel *	41 - 69 w/panel *
Max Power Consumption	138 w/panel *	138 w/panel *
Operating Temp/Humidity	-10 - 40 °C/ 10% - 60%	-10 - 40 °C/ 10% - 60%
Storage Temp/Humidity	-30 - 60 °C/ 10% - 60%	-30 - 60 °C/ 10% - 60%
Brightness	1,000 -1,200 nits	1,000 -1,200 nits
Refresh Rate	3,840 Hz	3,840 Hz
Horizontal Viewing Angle	160°	160°
Vertical Viewing Angle	140°	140°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs
Max Stacking	20 panels *	20 panels *
Max Hanging	20 panels *	16 panels *
Curve Support( -: concave; +: convex)	-10°/-5°/0°/+5°	-10°/-5°/0°/+5°
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