

# A1.9

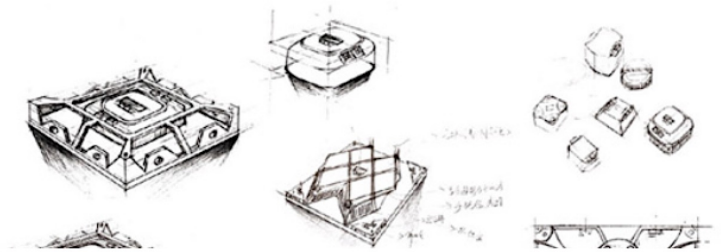
Ultra High Definition  
LED Display



**Ultra HD perfect  
picture quality,  
exclusive visual feast**

High resolution brings delicate display effect, and it is a perfect embodiment of the new generation of ultra-highdefinition LED display technology. Pixel pitch is 1.9mm.

Advanced design with originality



A1.9 grayscale



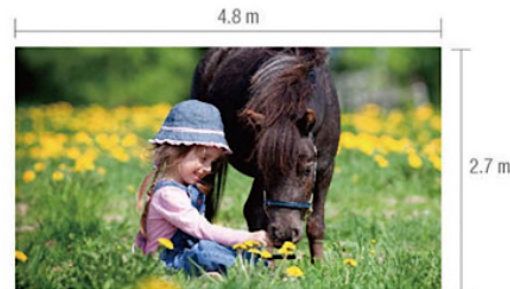
Normal display's grayscale

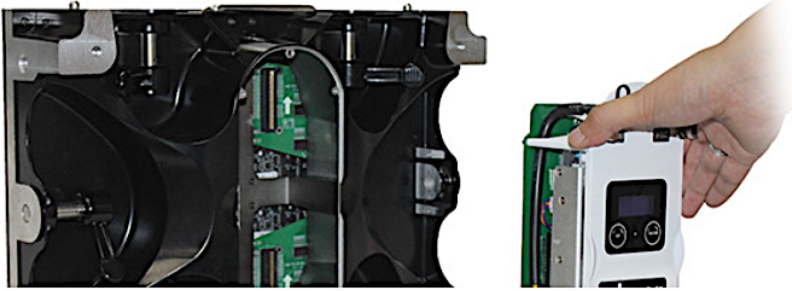
Low brightness with high gray level, more delicate display performance

Adopt high-quality LED blackbody SMD lamp with black mask, the contrast ratio is up to 3600: 1, and the picture is clearer and vivid;

Easy realization of Full HD and 4K big screen effect

Display screen can be spliced into any size and any direction, multi-standard video formats are available, easily realize Full HD and 4K video effect; screen performance is unique.



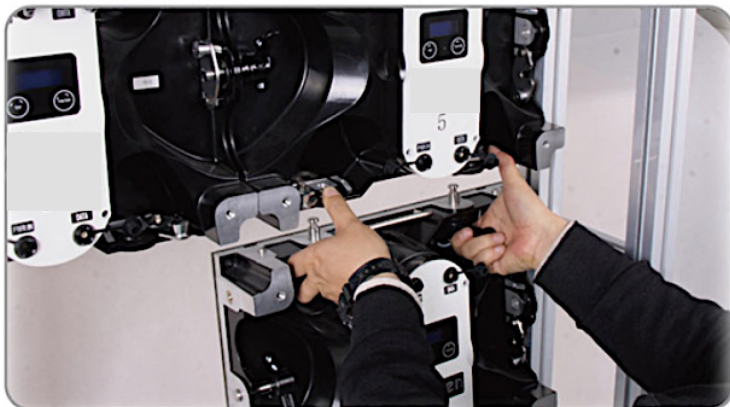
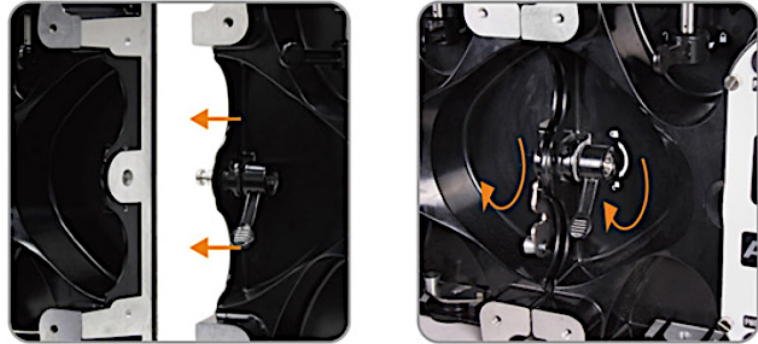


## Modular cables free design, plug-and-play power supply

It innovates in designing the power supply and cables as a module, plug and play. Connecting piece is shrapnel-

## Multifunctional connecting piece, fast, simple and convenient

Intelligent connecting piece integrates many functions together, such as connection and fine adjustment of gaps, all for the convenience of customers. Patent number of connecting piece: CN201110077471.9, A1.2 has been insured "Product liability insurance", underwritten by CPIC globally.



## Seamless splicing and installation type to assemble screen freely

Patented connecting piece, and hang pin rotating at 120 degree to lock the case, and gap adjustable to ensure the seamless screen, and rapid installation and removal supported. Only 1/4 of installation time compares with traditional structure.

## User-friendly LED information window

LCD window able to real-time display operating condition (voltage, operating item, version number, screen temperature), built-out test key to detect the illumination of the display screen, and change of red, green, blue.

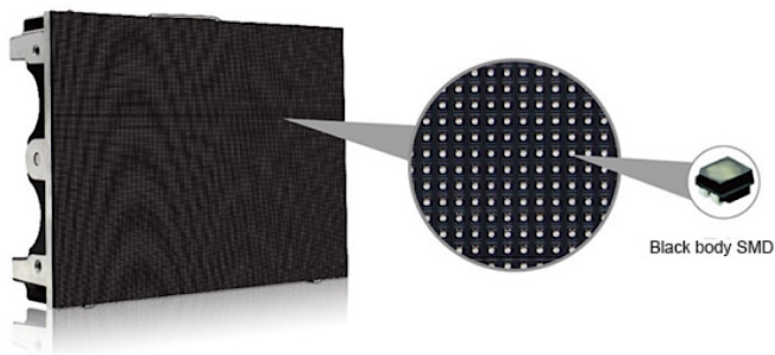


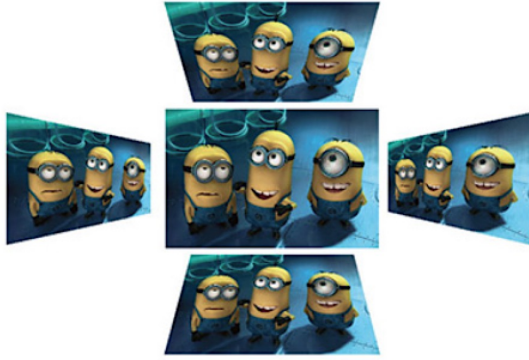
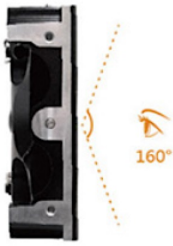
## Pixel-by-pixel calibration to ensure consistency

Industrially advanced spectral radiance meter CS-2000 which has luminance and chromaticity accuracy which are 30 times industrial level, and is used for calibrating the luminance and chromaticity of each LED lamp to achieve more than 99% highly unified consistency;

## High contrast and high image quality

High quality LED lamp with black body structure and black lamp mask to provide 3000:1 contrast and clearer and more bright-colored image

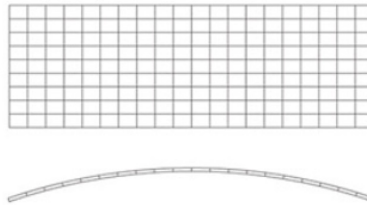




## 160° Large viewing angle

1010 black lamp with optically trap lampshade to provide significant optical effect.

## Micro inner arc design to provide broader viewing angle



Floor type support to be assembled by adjustment of different angle according to site requirement and supporting up to 10 degree inner arc



Receiving card back up



Module back up

## Dual signal power supply standby to ensure securer operation

Double signal power supply standby and two-circuit signal input, automatic detection of signal completeness. In case of failure in one power supply, another power supply automatically starts to ensure the normal operation of the display screen.

Parameter		Value
<b>Physical Parameter</b>	Pixel Configuration	1515 black body 3in1 SMD
	Pixel Pitch (mm)	1.923
	Pixel matrix per panel	208×156
	Module Dimensions (LxWxH)/ (mm)	200×150
	Cabinet Dimensions (LxWxH)/ (mm)	400×300×95
	Panel material	Diecasting Aluminum
	Module Weight (kg)	0.4
	Cabinet weight (kg)	6.7
<b>Electronic Parameter</b>	Color Grayscale (Bit)	14
	Gray Scale per Color (level)	16384
	Refresh Rate (Hz)	3840
	Driving Type	1/26
	Frame Frequency (Hz)	50/60
	Signal Transmission Distance (m)	CAT5 cable: < 100 m; Single mode fiber: < 10 km
<b>Optical Parameter</b>	Brightness (cd/m <sup>2</sup> )	1000
	Color Temperature (K)	7500
	Color Contrast	3300:1
	Optimal Horizontal Viewing Angle (°)	170
	Optimal Vertical Viewing Angle (°)	170
<b>Electrical Parameter</b>	AC Input Voltage (V)	100~240
	AC Input Frequency (Hz)	50/60
	Power Factor	>0.9
	AC Input Power Maximum Value (W/m <sup>2</sup> )	515
	AC Input Power Typical Value (W/m <sup>2</sup> )	170
<b>Circumstance Parameter</b>	Storage Temperature (°C)	- 40~+60
	Operating Temperature (°C)	- 10~+40
	Storage Humidity (RH)	10%~90%
	Operating Humidity (RH)	10%~90%
	IP rating (Front/Rear)	IP40/IP21
	Lifetime Typical Value (hrs)	100000
<b>Installation type for rental product</b>	Cabinet installation type	Rental/Fix
	Maximum number of panel for Lifting	20

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