

# ATHENA

SEAMLESS LED VIDEO WALL DISPLAYS



## BLEEDING EDGE DESIGN STATE OF THE ART TECHNOLOGY WORLD CLASS LED DISPLAY

- Ultra-lightweight 1.65kg per LED module
- Indoor & outdoor application
- 10mm - 33mm ultra slim module
- Simple & easy assembly and installation
- Any size seamless video wall can be assembled by only one engineer
- Full integrated power & control into each module
- Easy maintenance, saves time and money



# ATHENA

SEAMLESS LED VIDEO WALL DISPLAYS



All ATHENA Series products including 4mm, 5mm, 6mm, 8mm and 10mm pixel pitch, have the same structure and the same easy installation mode.

Lightweight, super thin, simple, plug and play operation, easy to use, IP65 waterproof, exceptional image quality, high brightness and auto adjustment according to environment, intelligent group management, easy and convenient

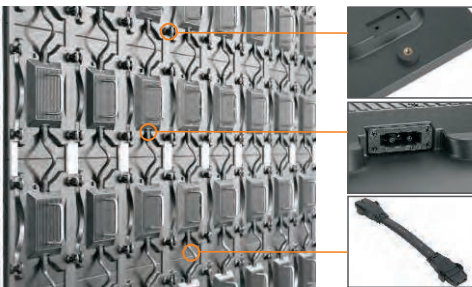
Inner arc design supports 0 to 15 degree straight screen and arcuate splicing with creative and flexible styling.

Simple and modularised structure design ensures higher stability, fast and easy installation and maintenance.



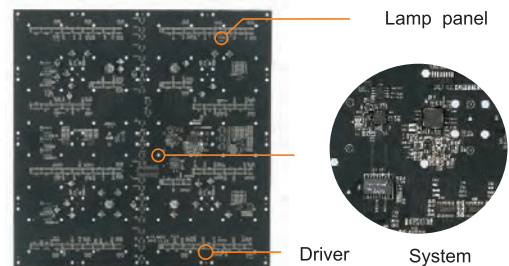
## Simple

Ultra-light weight and slim design: 1.65kg and 33mm Modular: fewer cables, 1-in 1-out design plug and play operation



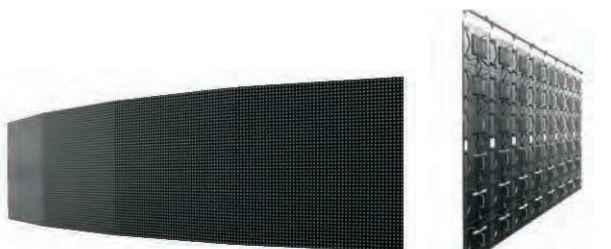
## Intelligent

No receiving card  
Integrated 3-in-1 design: lamp panel, system and drive  
mobile control: LED display, app and cloud  
High brightness: 55--cd/m2  
Fast refresh rate 3840 Hz



## Creative Flexible Styling

Inner and outer arc design supports 0 to 15 degree straight screen and arcuate splicing



arcuate splicing (0° ~ 15°)

straight screen

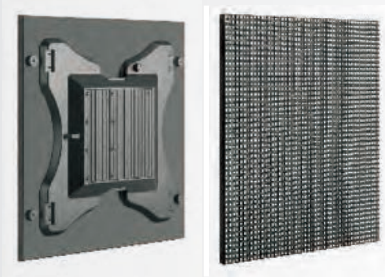
## Front Maintenance

Easy installation and maintenance



# ATHENA Module Display

# Traditional LED Display



All in one, modular, integrated structure



Complex structure, cannot be modular

Appearance  
**VS**



Light, thin panels can be installed by one engineer



Large, heavy panels are difficult to install and maintain

Installation  
**VS**

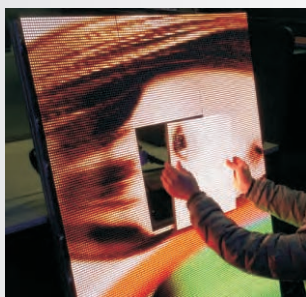


No receiving card or PC  
smartphone control for interactive experience



Complex equipment and no interaction engineering  
product terminal is hard to use

Control  
**VS**



Easy maintenance saves labour, time and money



Maintenance is difficult and costly

Maintenance  
**VS**



## Engineering

Outdoor SMD big screen solution: 1/2 logistics cost, no cabinet, no steel structure, no air condition, three-day installation.

### No costly steel structure



### Low power consumption

Max Consumption  
800W/m<sup>2</sup>



Traditional Led Display

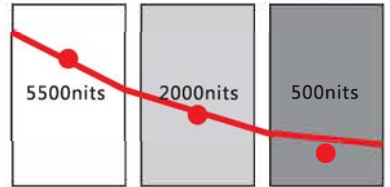
Max Consumption  
400W/m<sup>2</sup>



MOZU

40%

Intelligent Brightness Control



### Ultra-light weight for easy transportation



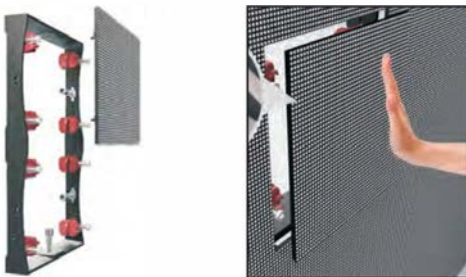
### No air conditioner





**Terminal** Store Interaction experience solution: smart phone control, 1/3 energy cost, wall-mounting.

**Easy installation and maintenance**



**Simple wall-mounted system**



**Cluster management with backup in the cloud**

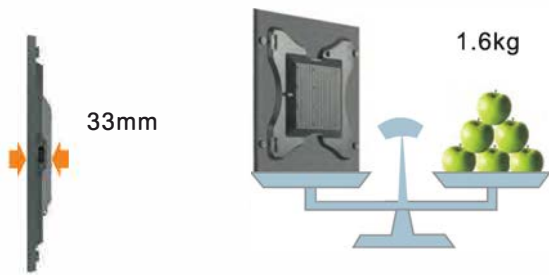


**Smart phone control for an interactive experience**





### Ultra-light and ultra-thin



### Modular design for simple installation



### Reliable and waterproof

Ip65 waterproof design,  
indoor and outdoor all weather available



### Flexible DIV Design

Hanging and curve installation,  
inner and outer arc design





LED Banner



Advertising LED Display



LED Bus Display



Creative LED Display



Shopping Mall LED Display

## Application Market

The **ATHENA** Series product provides perfect solutions for indoor and outdoor applications. This state of the art LED technology is ideal for use in advertising, entertainment, studio and commercial settings.

## ATHENA SERIES

	X4	X5	X6	X8	X10
Pixel Pitch (mm)	<b>4 Indoor/4</b>	5	6.66	8	10
Pixel Density (dot)	6400	4096	2304	1600	1024
Module Size (mm)	320(L)*320(W)*33(D)	320(L)*320(W)*33(D)	320(L)*320(W)*33(D)	320(L)*320(W)*33(D)	320(L)*320(W)*33(D)
Module Resolution (dot)	80×80	64×64	48×48	40×40	32×32
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Encapsulation	<b>SMD2020/ SMD 1921</b>	SMD1921	SMD3535	SMD3535	SMD3535
Brightness (nits)	<b>1500 indoor/ 5000</b>	5000	5500	5000	5000
Luminescent Efficiency	75%	75%	80%	80%	80%
Viewing Angle	H120°/V120°	H120°/V120°	H120°/V120°	H120°/V120°	H120°/V120°
Contrast	3000:1	3000:1	3000:1	3000:1	3000:1
Processing Depth	14bits	14bits	14bits	14bits	14bits
Scanning Mode	1/16	1/8	1/6	1/5	1/4
Refresh Rate(Hz)	3840	3840	3840	3840	3840
Frame Rate(Hz)	60	60	60	60	60
Serviceability	Front-access	Front-access	Front-access	Front-access	Front-access
Control Mode	Synchronous/asynchronous	Synchronous/asynchronous	Synchronous/asynchronous	Synchronous/asynchronous	Synchronous/asynchronous
Splicing Module Specification	1*1、1*2、1*4	1*1、1*2、1*4	1*1、1*2、1*4	1*1、1*2、1*4	1*1、1*2、1*4
Ingress Protection	<b>IP43/ IP65</b>	IP65	IP65	IP65	IP65
Working Voltage	110/220VAC	110/220VAC	110/220VAC	110/220VAC	110/220VAC
Max Consumption(W)	60	60	60	60	60
Average Consumption(W)	30	30	30	30	30
Adjustable Angle	0° to 15°	0° to 15°	0° to 15°	0° to 15°	0° to 15°
LED Lifespan	≥ 100000 hours	≥ 100000 hours	≥ 100000 hours	≥ 100000 hours	≥ 100000 hours
Mean Time between Failures	> 50000hours	> 50000hours	> 50000hours	> 50000hours	> 50000hours
Working Temperature & Humidity	-20°C to +50°C; 20% to 90%	-20°C to +50°C; 20% to 90%	-20°C to +50°C; 20% to 90%	-20°C to +50°C; 20% to 90%	-20°C to +50°C; 20% to 90%
Stored Temperature & Humidity	-40°C to +60°C; 10% to 95%	-40°C to +60°C; 10% to 95%	-40°C to +60°C; 10% to 95%	-40°C to +60°C; 10% to 95%	-40°C to +60°C; 10% to 95%
Weight(Kg/Pcs)	1.65	1.65	1.65	1.65	1.65
Color Temperature	7000(3200-9300K adjustable)	7000(3200-9300K adjustable)	7000(3200-9300K adjustable)	7000(3200-9300K adjustable)	7000(3200-9300K adjustable)
Certificate	CE	CE	CE	CE	CE
Mass production	✓	—	✓	—	—

## Dimensions

