MSA Plus Series

MSA Plus Series LED module (aluminum shell structure design, golden ratio: 16:9) has 4K display effect, equipped with AI storage chip and intelligent color temperature adjustment. It supports various installation methods. MSA Plus is a wise choice for high-end conferences, controlling centers, data centers, commercial applications, etc.

Original Design
Aluminum structural frame, Fire rating: UL94 V-0

Ultra-thin & Flatness
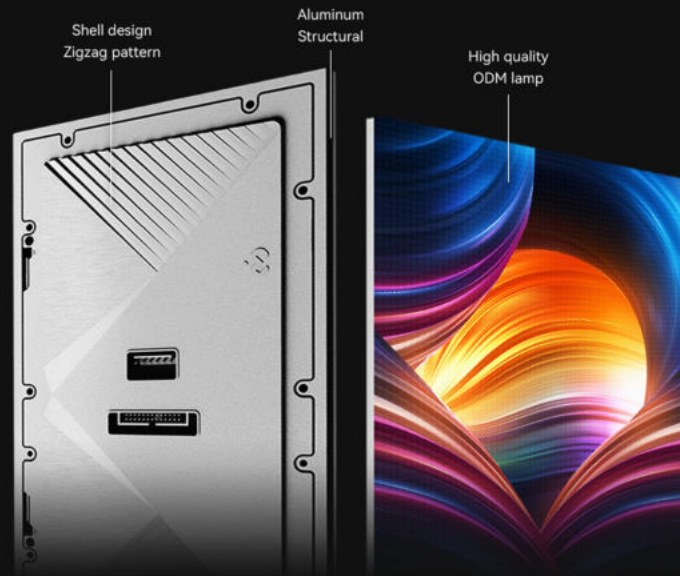Special bonding technology between PCB & no screw-fixing

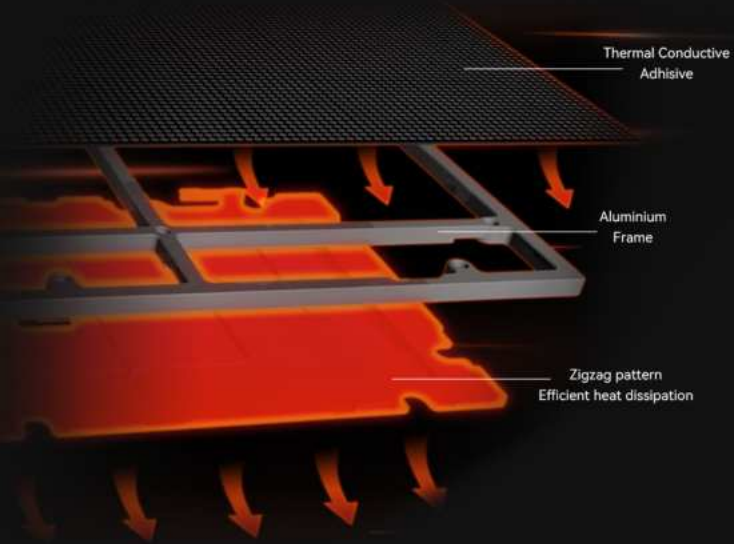## High Refresh Rate
High quality LED Lamps, PWM drive IC

Wide Viewing Angle
160° ultra wide viewing angle

Original Design

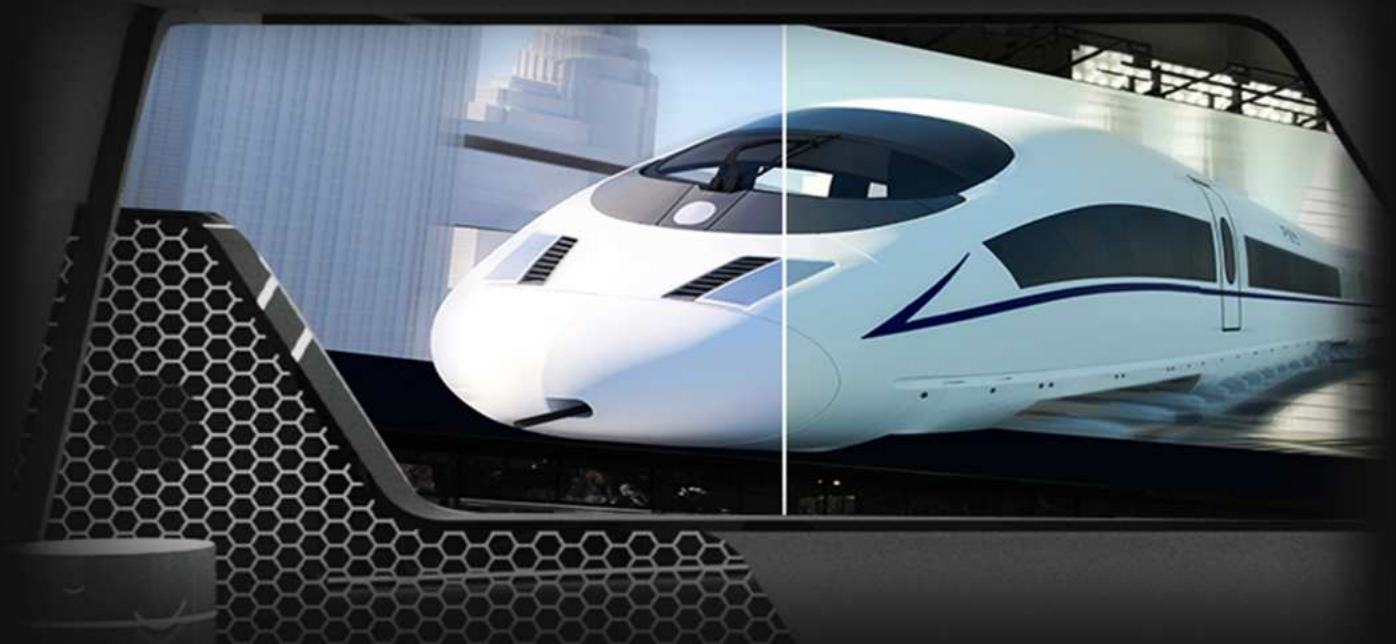Aluminum structural frame, Fire rating: UL94 V-0, High quality ODM lamp

Shell design Zigzag pattern

Aluminum Structural

High quality ODM lamp

Optimized Heat Dissipation

3M adhesive to bond the PCB and back cover, Stands out with an impressive thermal conductivity of 237 W/m-°C

Thermal Conductive Adhisive

Aluminium Frame

Zigzag pattern
Efficient heat dissipation

High Refresh Rate

MSA Series use high quality LED lamps and PWM drive IC, high gray scale, creates a true-to-life viewing experience with ultra-high dynamic contrast and a high refresh rate up to 3840Hz, image is perfect without flicker and scan lines

AI Data Group Storage

Cloud storage configuration files for easy loading, data group storage on board, automatic read back the calibration data

Scenario Case

Case Name: NY Port Authority Bus Terminal Video Wall

Case Name: 2017 United Nations European Headquarters

Case Name: Mexico Network Operations Center

Case Name: LED video wall of Xiamen Huawei Showroom

Case Name: Jiujiang Shipping Administration Controlling Center

Case Name: Anhui Controlling Center Renovation Project

Features

Ultra-thin but strong and non-deformable module **01**	Data group storage on board, automatic read back the calibration data **02**	Thermal conductive adhesive for better heat dissipation **03**
Intelligent color temperature adjustment, three modes **04**	Support HDR\3D display, with MOB optical film **05**	Pixel-by-pixel brightness correction **06**
With intelligent dehumidification function **07**	Cloud storage configuration files for easy loading **08**	Aluminum frame for better heat dissipation **09**

Parameter Item	MSA1.2 Plus	MSA1.5 Plus	MSA1.8 Plus	MSA2.0 Plus	MSA2.5 Plus
Pixel Pitch (mm)	1.25	11.538	1.86	2	2.5
Pixel Density (pixels/sqm)	640,000	422,500	288,906	250,000	160,000
Module Resolution	256×144	208×116	172×96	160×90	128×72
Mask	No	Optional	No	No	Optional
Lamp Type	SMD1010	SMD1212	SMD1515	SMD1515	SMD2121
Module Size (mm)	320×180×10	320×180×10	320×180×10	320×180×10	320×180×10
Module Weight (kg)	0.65±0.05	0.65±0.05	0.65±0.05	0.65±0.05	0.65±0.05
Brightness (cd/sqm)	650	650	650	650	850
Gray Scale (Bit)	12~16	12~16	12~16	12~16	12~16
Color Temp (k)	2500~10000	2500~10000	2500~10000	2500~10000	2500~10000
Control System	Synchronous Control	Synchronous Control	Synchronous Control	Synchronous Control	Synchronous Control
Protection Level	IP31	IP31	IP31	IP31	IP31
Intelligent Storage	AI Intelligent Storage	AI Intelligent Storage	AI Intelligent Storage	AI Intelligent Storage	AI Intelligent Storage
Frame Frequency (Hz)	50/60FPS~120FPS (3D)	50/60FPS~120FPS (3D)	50/60FPS~120FPS (3D)	50/60FPS~120FPS (3D)	50/60FPS~120FPS (3D)
Refresh Rate (Hz)	1920/3840(Optional)	1920/3840(Optional)	1920/3840(Optional)	1920/3840(Optional)	1920/3840(Optional)
Working Voltage	AC:100V~240V, 50/60Hz	AC:100V~240V, 50/60Hz	AC:100V~240V, 50/60Hz	AC:100V~240V, 50/60Hz	AC:100V~240V, 50/60Hz
Power Consumption (W/ m²)	Max:≤460, Ave:≤155	Max:≤460, Ave:≤155	Max:≤460, Ave:≤155	Max:≤460, Ave:≤155	Max:≤460, Ave:≤155
Lifetime (hrs)	100,000	100,000	100,000	100,000	100,000
Operating Temp (ºC)	-10~+40	-10~+40	-10~+40	-10~+40	-10~+40
Storage Temp (ºC)	-25~+60	-25~+60	-25~+60	-25~+60	-25~+60
Humidity Range (Rh)	10%~80%, Non-condensing	10%~80%, Non-condensing	10%~80%, Non-condensing	10%~80%, Non-condensing	10%~80%, Non-condensing
Pixel Correction	Brightness And Color Correction	Brightness And Color Correction	Brightness And Color Correction	Brightness And Color Correction	Brightness And Color Correction