

MSA Series

MSA Series LED module (aluminum shell structure design, ratio 2:1) has 4K display effect, equipped with AI storage chip and intelligent color temperature adjustment. It supports various installation methods and can be used to build flat screens or curved screens. MSA series is a wise choice for high-end conferences, controlling centers, data centers, 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

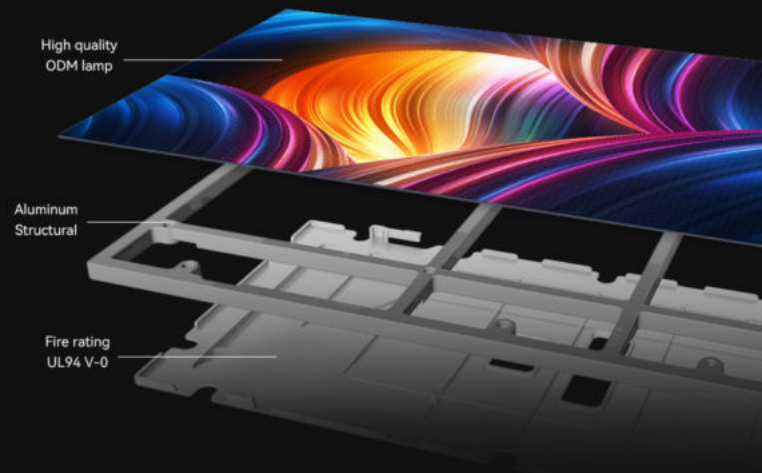
High quality LED Lamps, PWM drive IC

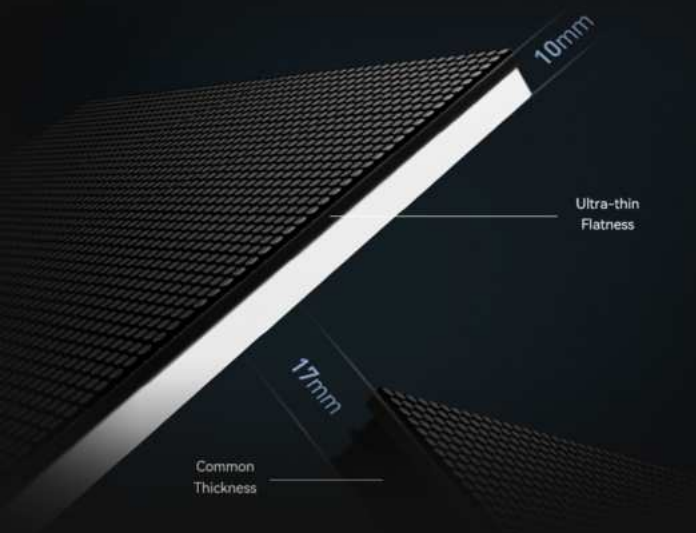
Wide Viewing Angle

160° ultra wide viewing angle

Original Design

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





Super slim & Flatness

Special bonding technology between PCB & no screw-fixing

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: Atlanta International Airport



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	MSA P1.2 Indoor	MSA P1.5 Indoor	MSA P1.8 Indoor	MSA P2.0 Indoor	MSA P2.5 Indoor
Pixel Pitch (mm)	1.25	1.538	1.86	2	2.5
Pixel Density (pixels/sqm)	640,000	422,500	288,906	250,000	160,000
Module Resolution	256×128	208×104	172×86	160×80	128×64
Mask	No	Optional	No	No	Optional
Lamp Type	SMD1010	SMD1212	SMD1515	SMD1515	SMD2121
Module Size (mm)	320×160×10	320×160×10	320×160×10	320×160×10	320×160×10
Module Weight (kg)	0.55±0.05	0.55±0.05	0.55±0.05	0.55±0.05	0.55±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 (°C)	-10~+40	-10~+40	-10~+40	-10~+40	-10~+40
Storage Temp (°C)	-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