O-TILE / SERIES

Indoor Front Maintenance Ultra-thin
Led Screen

Onedisplay®
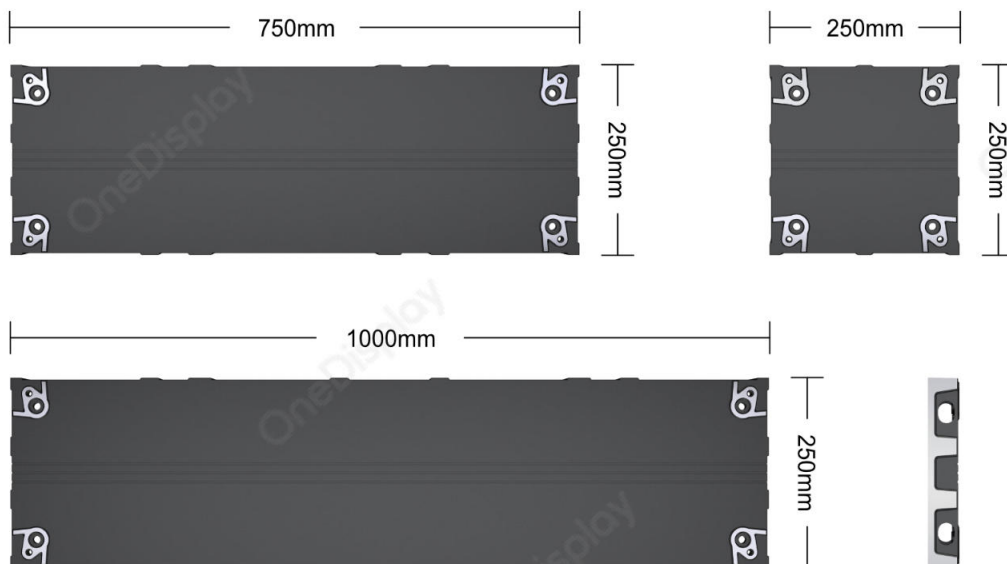
SPECIFICATION (Basic brightness)

Pixel Pitch	1.56mm	1.95mm	2.5mm	2.6mm	2.97mm	3.91mm
LED lamp bead model	SMD1212	SMD1515	SMD1515	SMD1515	SMD2020	SMD2020
Moudle Reslution(W*H)	160x160	128x128	100x100	96x96	84x84	64x64
Moudle Size(W*H)	250x250mm					
Panel Reslution(W*H)	640x160	512x128	400x100	384x96	336x84	256x64
Panel Size(W*H*D)	1000x500x41.6mm / 1000x250x41.6mm / 750x250x41.6mm / 250x250x41.6mm					
Density of Pixel (dots/m2)	409600	262144	160000	147456	112896	65536
Module Arrangement(W*H)	4x2 / 4x1 / 3x1 /1x1					
Panel Weight（kg/panel）	5.5kg / 4kg / 2kg					
Panel Material	Die-casting Aluminum					
Moudle/Panel Fixed Way	Front					
Viewing angle	160º/160º					
Driving method	1/40	1/32	1/25	1/32	1/28	1/16
Brightness	500nits	800nits	1200nits	800nits	800nits	800nits
Optimum viewing distance	≥1.5m	≥1.9m	≥2.5m	≥2.6m	≥2.9m	≥3.9m
IP Grade	IP43					
Frame change frequency	60hz					
Refresh rate	1,920Hz~3,840Hz(depends on IC driver solution)					
Gray Scale	14bits~22bits(depends on IC driver and controller solution)					
Operating platform	Windows (Win7, Win10, etc.)					
Signal Input	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc.					
Operating Voltage	AC：110V~240V、50~60Hz					
Maximum Power（W/m2）	500	600	550	550	400	430
Average power（W/m2）	160	180	160	160	120	125
Operating environment	-20℃~50℃ 10%~90%RH					
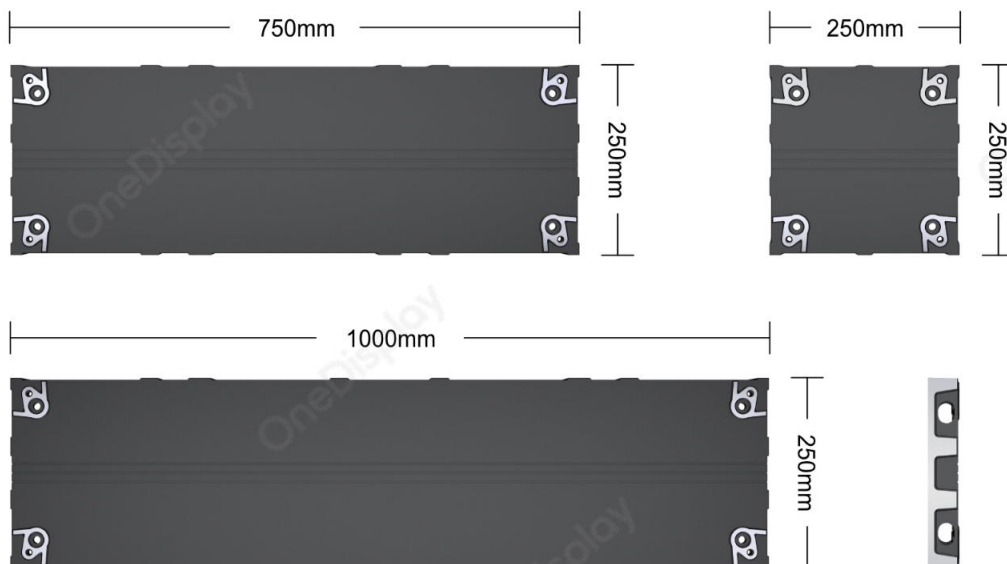
| SPECIFICATION (High brightness)				
Pixel Pitch	1.95mm	2.6mm	2.97mm	3.91mm
LED lamp bead model	SMD1415	SMD1415	SMD1921	SMD1921
Moudle Reslution(W*H)	128x128	96x96	84x84	64x64
Moudle Size(W*H)	250x250mm			
Panel Reslution(W*H)	512x128	384x96	336x84	256x64
Panel Size(W*H*D)	1000x250x41.6mm / 750x250x41.6mm / 250x250x41.6mm			
Density of Pixel (dots/m2)	262144	147456	112896	65536
Module Arrangement(W*H)	4x1 / 3x1 /1x1			
Panel Weight（kg/panel）	5.5kg / 4kg / 2kg			
Panel Material	Die-casting Aluminum			
Moudle/Panel Fixed Way	Front			
Viewing angle	160º/160º			
Driving method	1/32	1/32	1/28	1/16
Brightness	4000nits	4000nits	4500nits	4500nits
Optimum viewing distance	≥1.5m	≥2.6m	≥2.9m	≥3.9m
IP Grade	IP43			
Frame change frequency	60hz			
Refresh rate	1,920Hz～3,840Hz(depends on IC driver solution)			
Gray Scale	14bits～22bits(depends on IC driver and controller solution)			
Operating platform	Windows (Win7, Win10, etc.)			
Signal Input	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc.			
Operating Voltage	AC：110V~240V、50~60Hz			
Maximum Power （W/m2）	600	550	400	430
Average power （W/m2）	180	160	120	125
Operating environment	-20℃～50℃ 10%～90%RH			

Size & Weight

Various panel sizes allow you to flexibly build a wide range of screen designs, with each cabinet weighing only 2-5.5kg and a thickness of just 41.6 millimeters, designed to be compact and space-saving.

1000mm
750mm
250mm
250mm
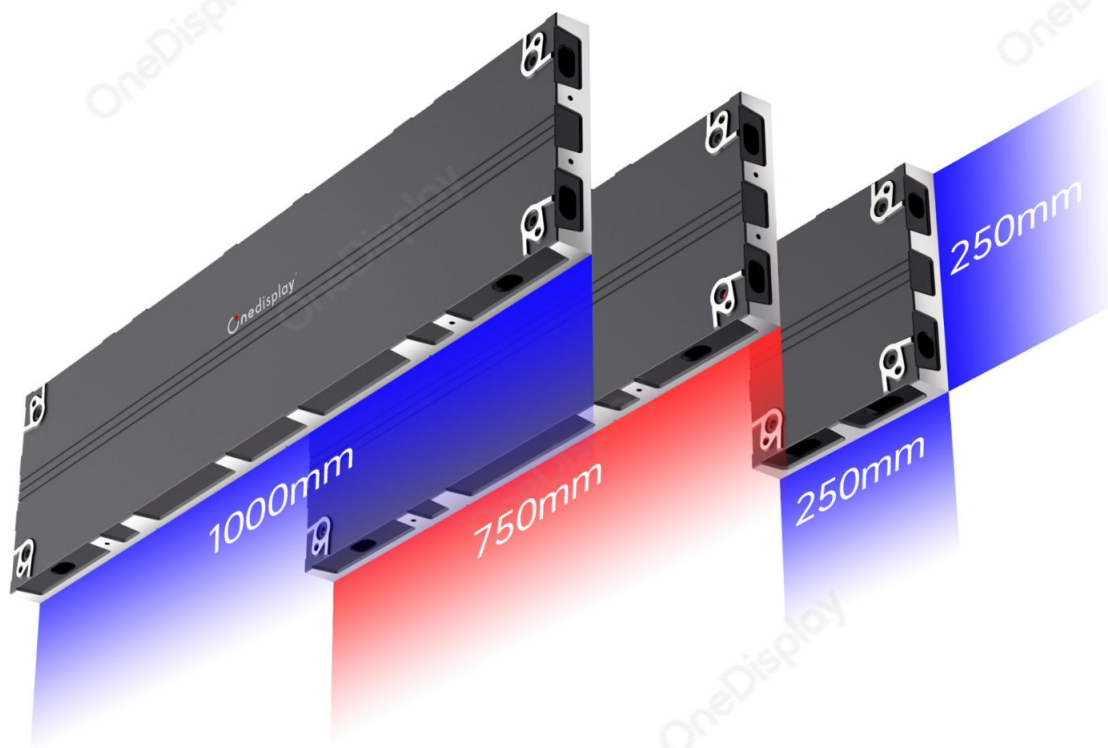
Neater & Security

Whether it's wires or network cables, our concealed cable design for simplified wiring, ensuring elegant and safe installation.

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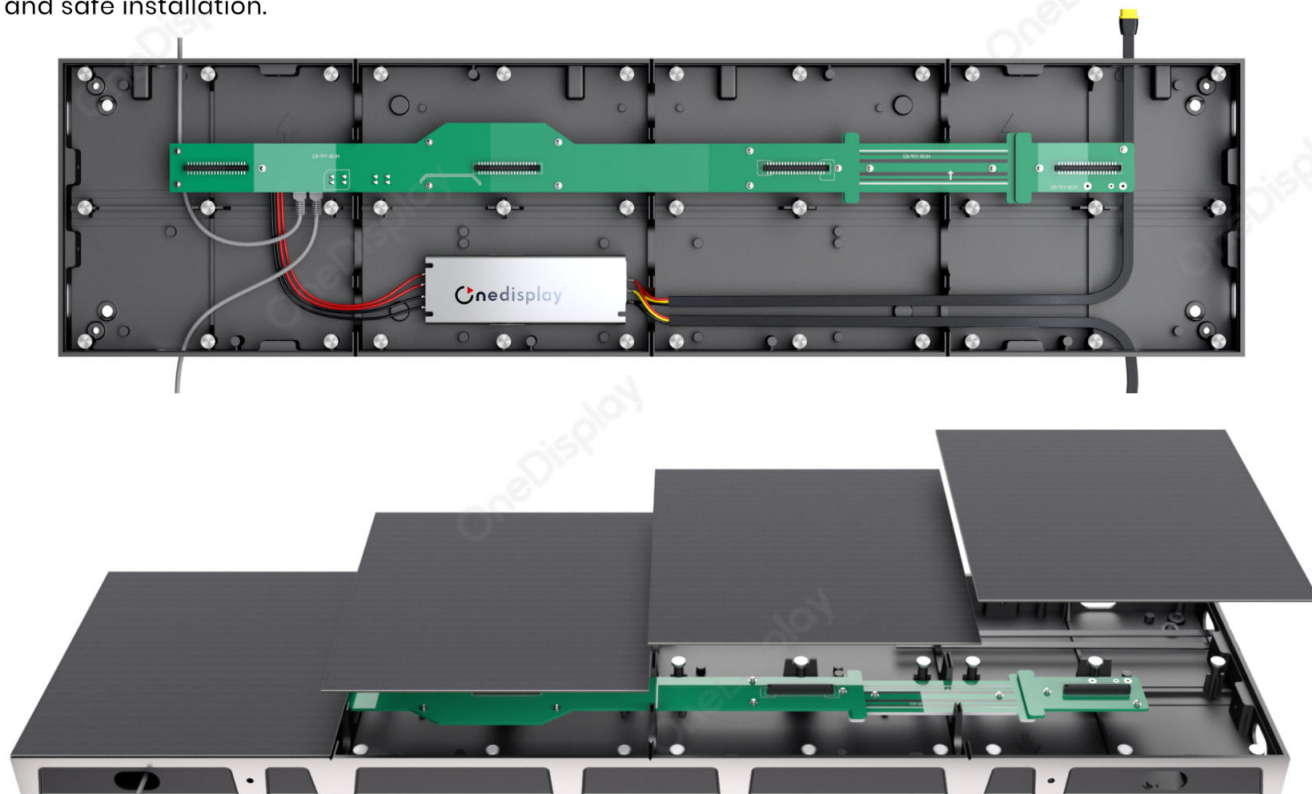
Magnetic & Hard Connection

Magnetic & hard connection front service module is designed for easy installation to ensure low failure rates and high reliability. all electronic components are front-accessible for simplifying maintenance.
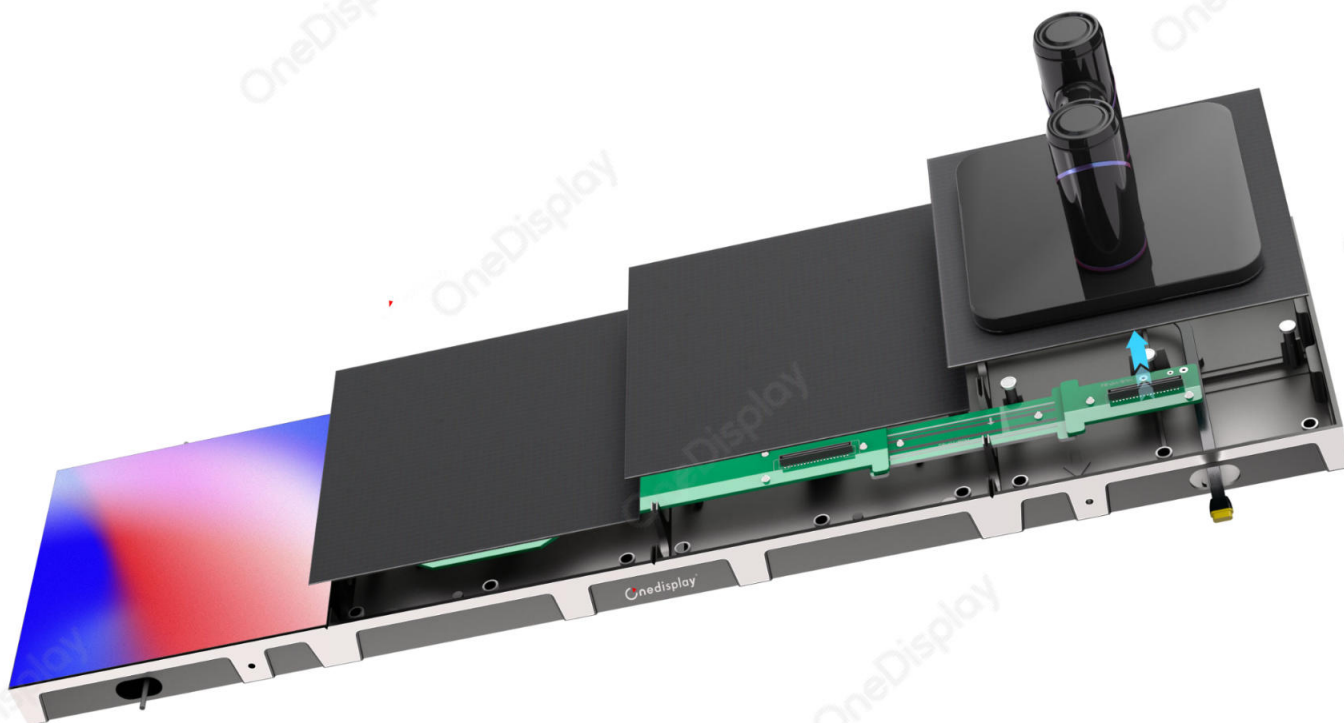
# Quick & Seamless Installation

Die-cast aluminum cabinet with precise, design for improved flatness, and high-precision connectors are crafted to simplify and enhance installation efficiency.
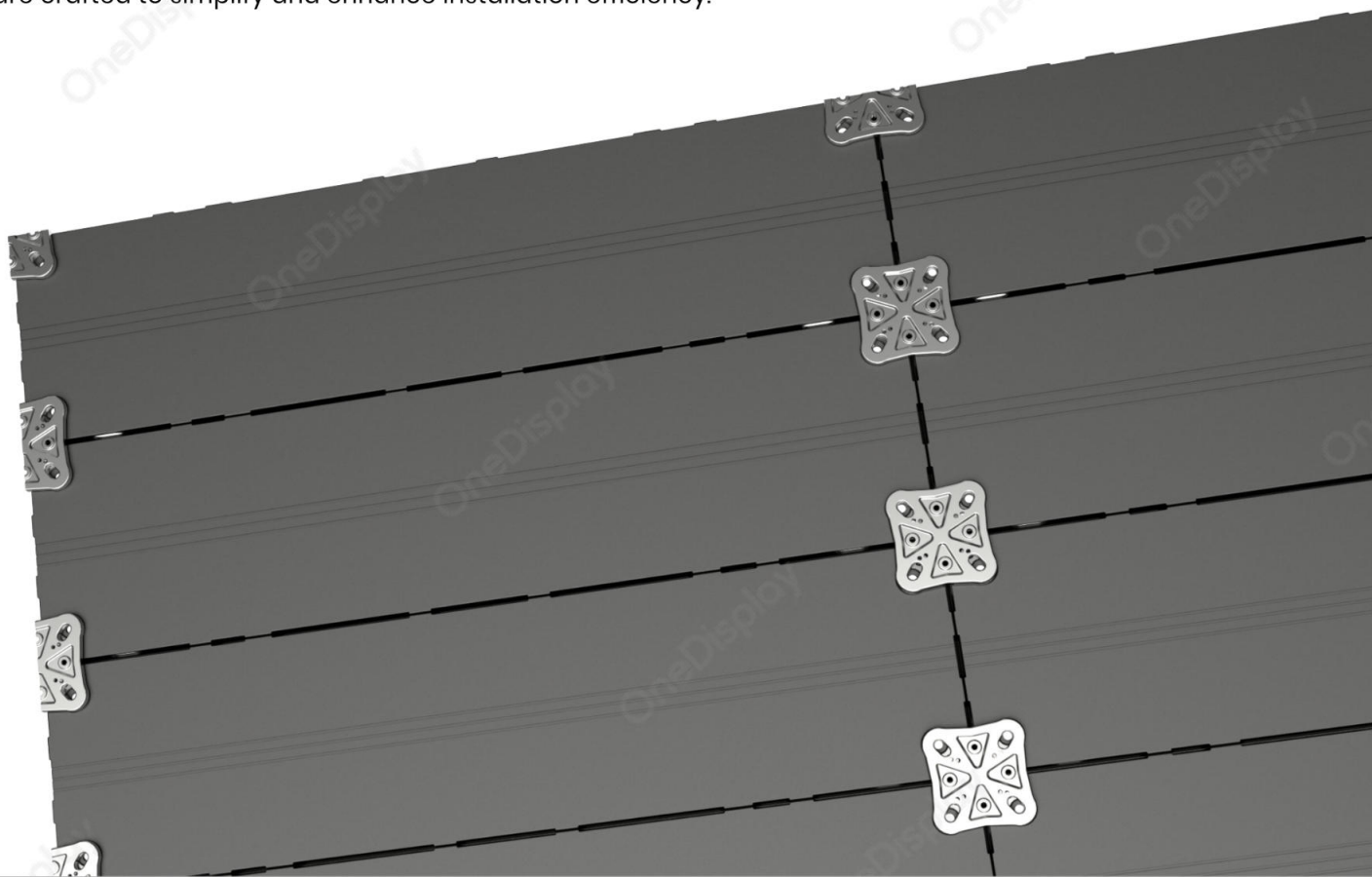
Optional High Protection GOB

Optional Led modules with polymer-encapsulated to withstand certain mechanical stresses, sealing against dust and moisture, ensuring reliability in demanding environments and frequent human contact.
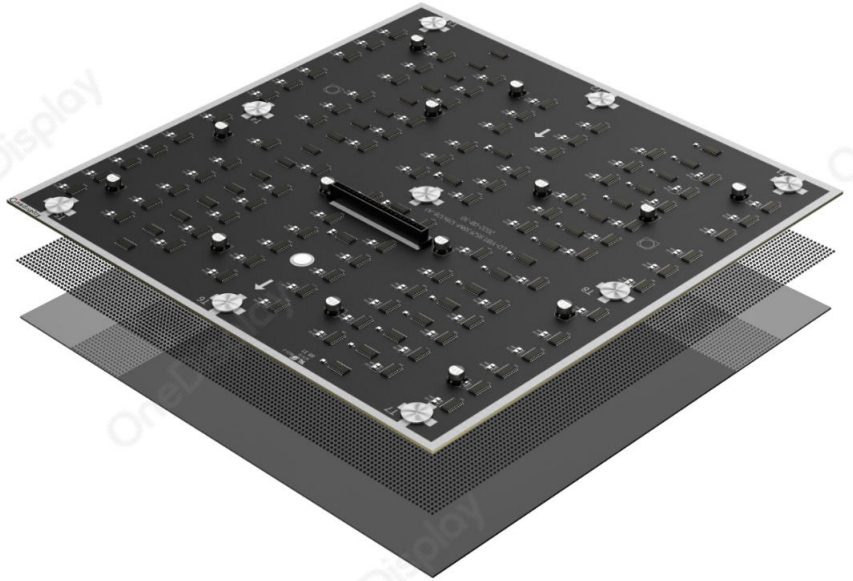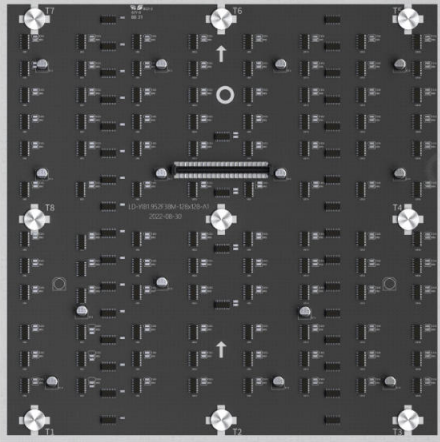
Supports 90-Degree Splicing

Supports 90-degree splicing, allowing for innovative corner display solutions. Whether for retal, exhibitions, or events, enabling you to design

250mm

90°

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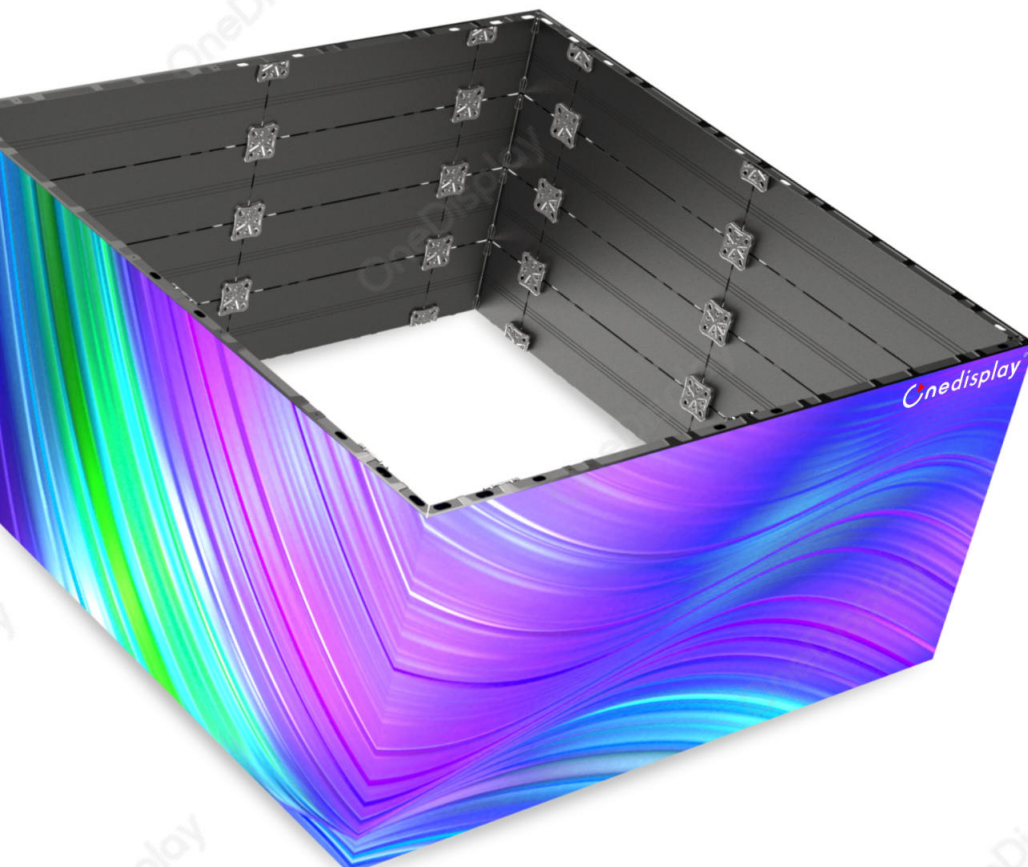
Multiple Installation

Flexible Structural Design that supports various installation methods, including wall mounting, hoisting, double-sided hoisting, and shelf screen installation, ensures adaptability and ease in different setups.

Excellent Visual Performance

High refresh rate of 3840Hz, High Dynamic Range, high-resolution display, and advanced 24-bit grayscale capabilities, so provides an outstanding viewing and shooting experience.

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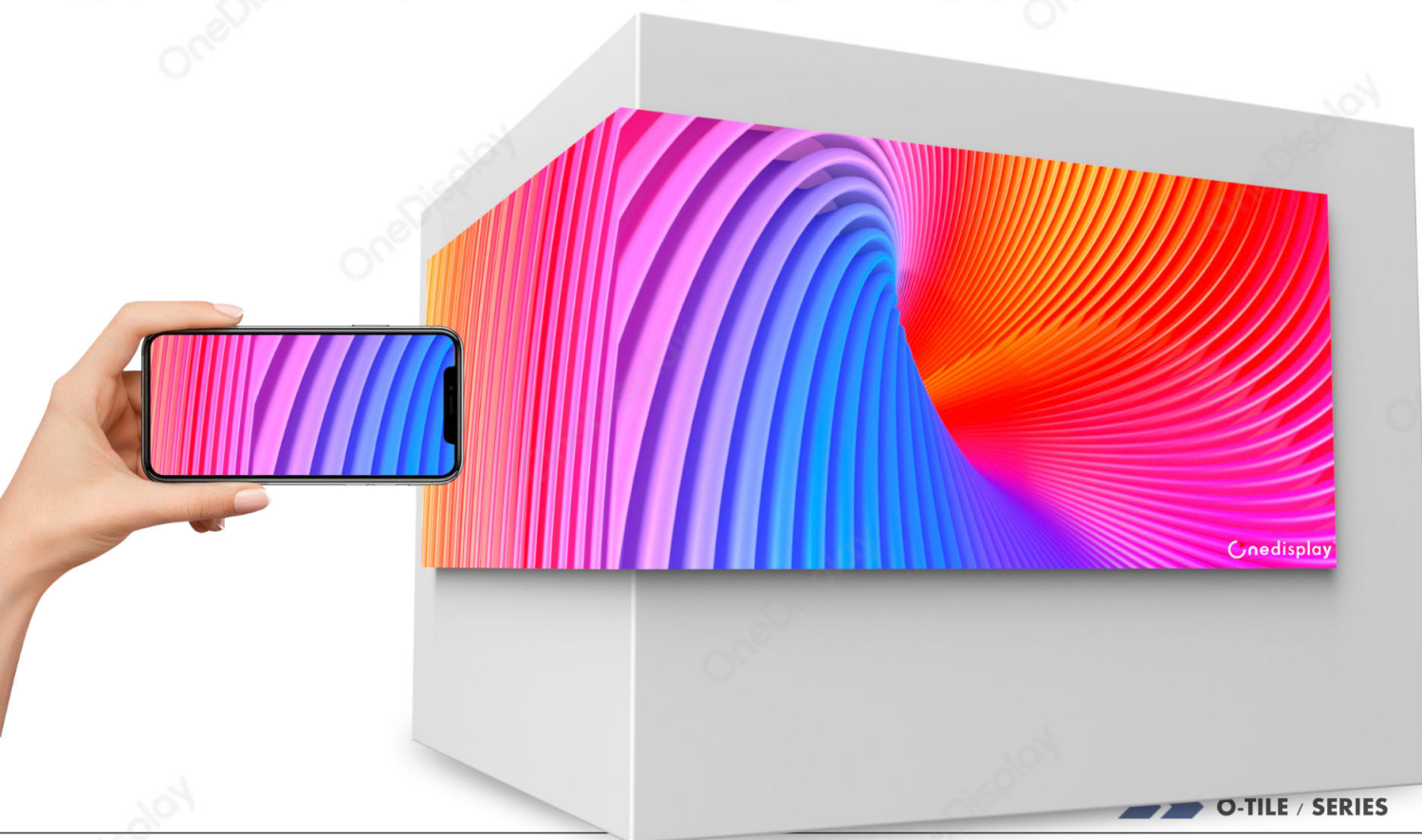
For shopping mall

For event

For store

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O-TILE Series

LED Screen Manufacturer in China

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