ENCORE

Indoor and Outdoor LED Rental Panels

HOLODECK™
LED

POWERED BY QST

Indoor and Outdoor LED Rental Panels

The newly upgraded rental display solution continues the ENCORE minimalist design, standing out with its simple appearance and superior performance. The new half-covered bottom shell design with a handle-type quick lock enables quick disassembly and assembly of the cabinet, bringing customers exceptional value and meeting all functions for rental events.

Ultra-Lightweight, Stable and Reliable

User-Friendly Design, Precise Seamless Splicing

Unique Creative Design, Unlimited Display

Semi-Covered Bottom Shell Design

Perfect Protection

Easy Maintenance

Universal Module

01 Superior Screen Quality

Low Gray and High Refresh Rate: 1 level (0-255 levels) gray scale, minimum refresh rate of 480 Hz, and maximum of 15,360 Hz ensure vivid and smooth images.

High Contrast Ratio: 16bit high precision gray scale delivers delicate image quality.

Outdoor Advertising: 1,920 Hz

Stage Performances: 3,840 Hz

High-End Conference Rooms: 7,680 Hz

ENCORE Pro: 15,360 Hz

02 Ultra-Lightweight, and Reliable

Made of high-strengthdie-casting aluminum,thelargecabinetweighsjust 11.9 kg, and the small only 8.5 kg. This lightweight design reduces laborand transportation costs.
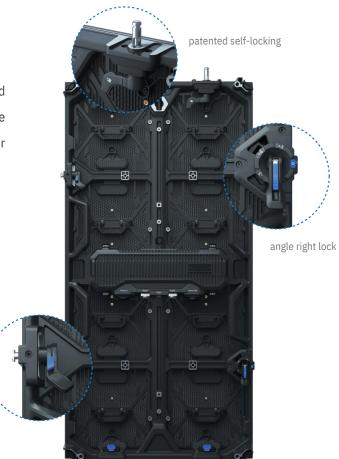
Cabinet Sizes: Large cabinet: 500×1000 mm; Small cabinet: 500×500 mm. Flexible choices to meet different space requirements.

curved cabinet

500

500

500

500

1000

500

500

curved cabinet

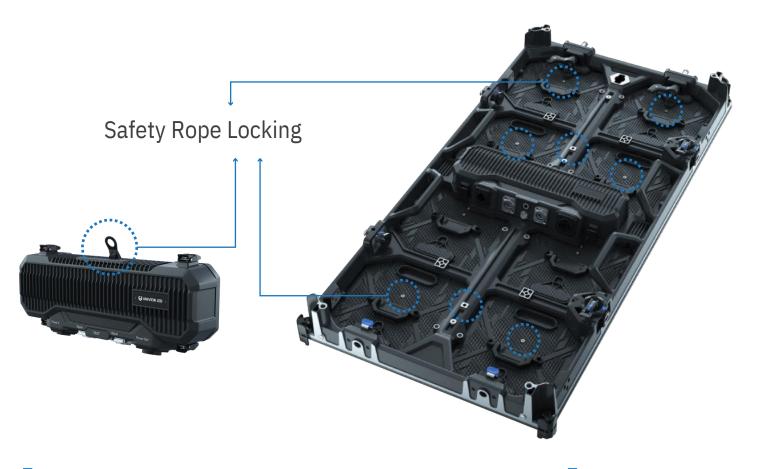flat cabinet

flat cabinet

45° corner cabinet

03

User-Friendly Design, Precise Tolerance

Ratchet left lock and angle right lock, and indoor and outdoor splicing angle is adjustable (0°, ±3°, ±6°). The top and bottom locks use our patented self-locking for convenient and quick splicing.

patented self-locking

angle right lock

ratchet left lock

Safety Rope Locking
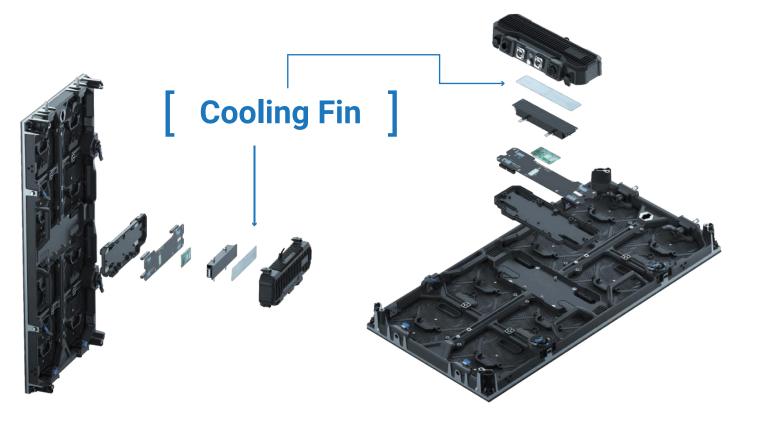
[SAFETY CONSIDERATION]

Quick & Accurate

Upper Lock

PATENT CURVE LOCK

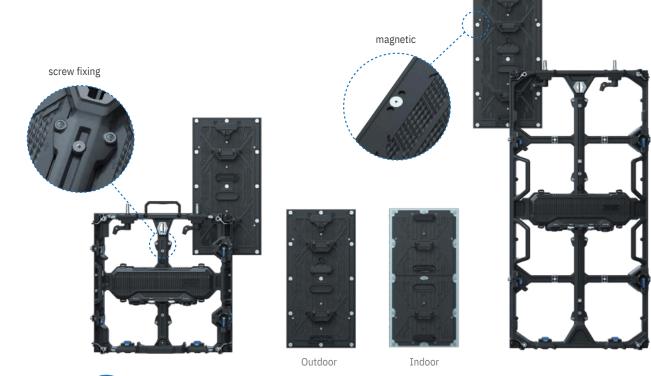**Strong Bite Force for better connection**

High end locking system, leading

the trend for more than 3 years

[Cooling Fin]

When We Using 500w Psu
For Outdoor Black Led

One more heat dissipation fin contributes

screw fixing

magnetic

Outdoor   Indoor

04

Universal Module

The module isstandardized at250x500 mm, ensuring strong compatibility and fully applicable to both large and

small cabinets for easy management and maintenance. Combined with magnetic and screw fixing, the screen

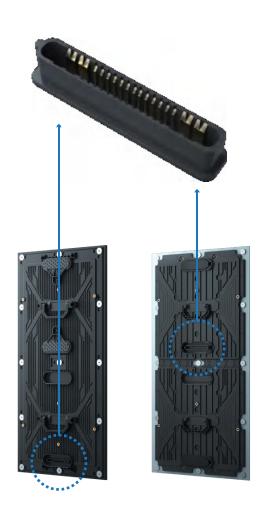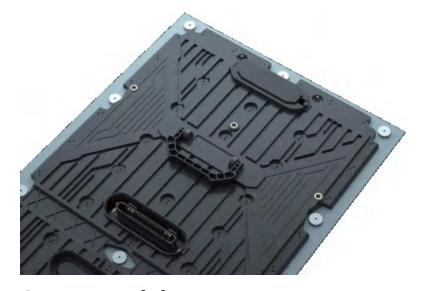flatness is further optimized, enhancing the display effect.

Panel Integrated Use Conditions

500W PSU : Black Led optionfor alloutdoorapplicationsallpanels

400W PSU : White Led outdoor & Indoor option (4000-5000nits outdoor & 800-1000nits indoor)

200W PSU : Indoor option & small panel only (no mix with big panel) - only for budget consideration

Strong module connector

Outdoorconnector standard
for greater current consideration

Signal holders are designed with strong magnet bits to avoid bad

signals caused by thermal expansion and contraction

The connector is a double-sided press-fit contact connector with 4

sets of large PIN pins to ensure that the high current is not

overloaded and does not burn the board

Physical form of good flatness,
cost savings, indoor products
using PCB direct contact with
the cabinet, the contact surface
to minimize relative tolerances

250X500mm Module

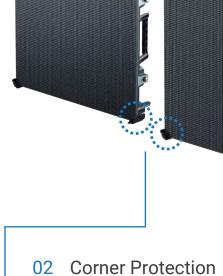## Optional Pitches:

Indoor 2.6/2.9
Outdoor: 3.9

05

Perfect Protection

ENCORE Pro cabinet features corners protection and bottom elevation, minimizing the risk of collisions and potential damage during transportation.

corners protection and bottom elevation

01   Strong Lock PIN

Details Make Difference

02   Corner Protection

06

Optional Brightness, Precise Adaptation

High Brightness Gold Line Black Light: brightness over 5,000 cd/m², ideal for high-brightness scenes, showcasing exceptional image quality.
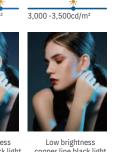
High Brightness Copper Line Black Light: brightness of 4,000-4,500 cd/m², balancing brightness and color to suit various scenes.

Low Brightness Copper Line Black Light: Brightness of 3,000-3,500 cd/m²,providing soft light for indoor or low-brightness scenes.

White light

Black light

5,000 cd/m²　　4,000 -4,500cd/m²　　3,000 -3,500cd/m²

High brightness gold line black light

High brightness copper line black light

Low brightness copper line black light

White LED

Black LED

[COMPARISON]

White LED

Black LED

07

Professional Accessories, Safety and Stability

Optional Climbing Handle: ENCORE Pro cabinet is equipped with climbing handle, which is easier to transport, installation, and maintenance.

Optional Windproof Frame: ENCORE Pro provide two windproof frames to ensure stability for outdoor.

Optional climbing handle

Optional windproof frame a type

Optional windproof frame b type

Climb Handle

[Optional To Add]

Always
Care about rental application real demand.

Support Big
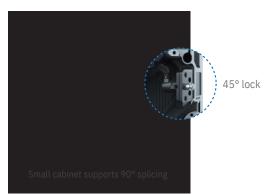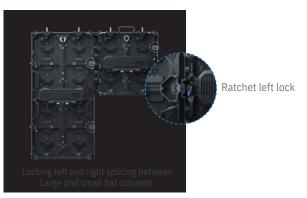# Outdoor Screen
[Wind Resistance Structure]

08 / Easy Maintenance

Powerboxintegratespowersupplyandreceiving card, allowing for complete replacement, enabling quick and convenient maintenance.

Patented
Self-locking

Vertical stacking

Angle right lock

Curved installations

45° lock

Small cabinet supports 90° splicing

Ratchet left lock

Locking left and right splicing between
Large and small flat cabinets

09

Unique Creative Design, Unlimited Display

Splicing Method: The design allows for locking left and right splicing between large and small flat cabinets.

The small cabinet supports 90° splicing, vertical stacking, and curved installations, enabling diversified creative displays and creating a unique visual feast.
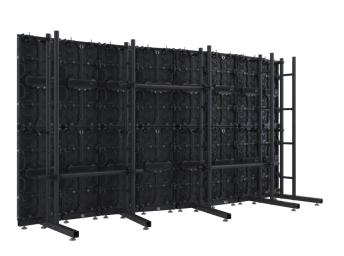
90° corner assembly

curve assembly
0, ±3°, ±6adjustable

[Various Functions Attainability]

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Multiple Installations

Standardly equipped with riggings and floor support components, the ENCORE Pro supports both hanging and floor-mounted installations, flexible adaptation to various venues and meeting diversified rental needs.

Installation hole

floor-mounted

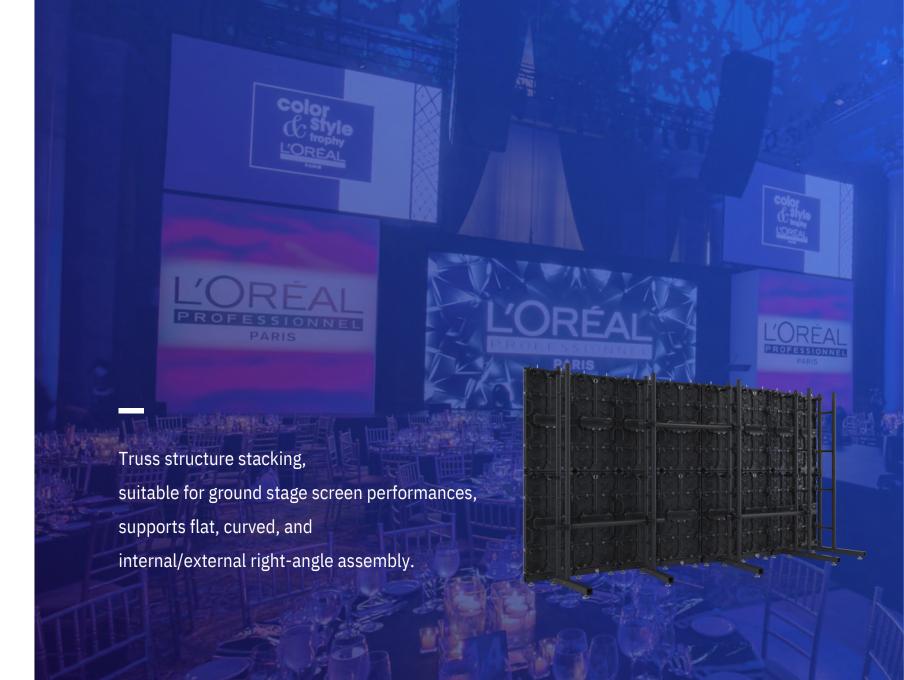hanging

[STACKING SYSTEM]

[HANGING SYSTEM]

Truss structure stacking,
suitable for ground stage screen performances,
supports flat, curved, and
internal/external right-angle assembly.

Suspension structure,

with options for hanging ground beams or

pure hanging beams,

supports the suspension of both internal and

external curved screen structures.

Parameters

Typee	Indoor		Outdoor		
Model	ENCORE Pro2.6	ENCORE Pro2.9	ENCORE Pro3.9		
Pixel Pitch (mm)	2.604	2.976	3.906		
LED Configuration	SMD1515(Black)	SMD2020(Black)	SMD1921(Black)		
Adjustable Brightness (cd/m²)	1000		3000-3500	4000-4500	5000
Module Size (WxH mm)	250×500				
Module Resolution	96x192	84x168	64x128		
Refresh Rate (Hz)	15360				
Viewing Angle (H/V)	140°/140°				
Grayscale (Bit)	14		16		
Cabinet Size (WxHxD mm)	500×500x83/500×1000x83		500×500x87.5/500×1000x87.5		
Cabinet Weight (kg/panel)	8.6/12.2		8.5/11.9		
Power Consumption (Max/Avg W/m2)	600/200		700/235		

* Technical specifications are subject to change without prior notice. Please contact our sales representative for the latest information.

Notes: