Helios

Where transparency comes to life . . . .

SUN DIGITAL

Helios Transparent Led Wall

LED Trasparent Screen with Side Emitting Technology
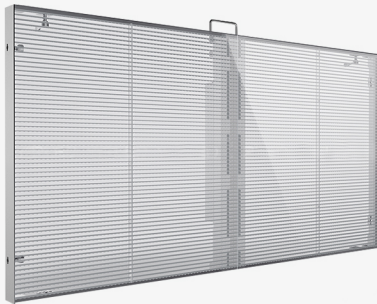
Screen Size

1000 × 500

Application Scenarios

Stage rental business

Helios Transparent Led Wall

· Transparency：82%

· Brightness : 5000cd/m²

· Depth: 38mm

· Viewing Angle：120°

| Light Penetrate | SMD Ideal for Stage Viewing Angle | 8 Pin Vibration –proof Port | SMD on surface of the bar –avoid lamps being knocked off | Modularized Power Supply | Different batches can be mixed to use | 120° Wide Viewing Angle | System Stable |

Why Side Light-Emitting Technical

Higher Transparency
85% Transparency

Sun Digital Helios Screen making many special stage effect possible: three-dimensional stage, images look like appearing in the sky directly etc.
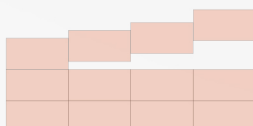
Thickness 1.4mm

Blocking sight 1.4mm 7.8mm

$$Transparency = \frac{7.8-1.4}{7.8} \approx 82\%$$
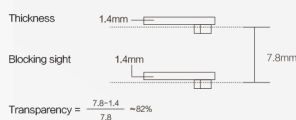
Easy Installation
Slim and light

Light, UP to 17 Kg/m²: Thin, UP to 38 mm;
The Sun Digital Helios Screen is unbelievably lightweight and thin.
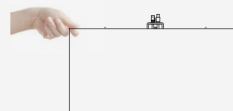
Modularized | DIY design

Any size screen combination flexible, no steel structure, no complicated installation, easy and convenient.

Easy Maintain
All-in-One Design

Integration of control system and power supply into one module, easy and fast installation, uninstallation and maintenance.

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Where transparency comes to life . . . .
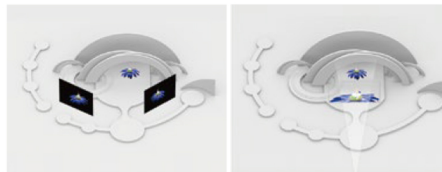
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Key Features

High refresh rate

High refresh rate：in the industry，the minimum pixel pitch（able to mass production）3mm，3840HZ refresh rate.
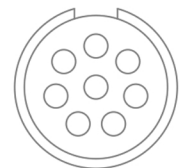
3840HZ   60HZ

Light Penetrate

Light can penetrate without affecting stage lighting effect.

8 Pin Vibration-Proof Port
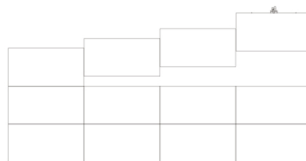
No screen flash affected by audio vibration.

Smart

Smart control by mobile APP，wireless data transmission，screen+data cloud+APP，WIFI connection.

Different batches can be mixed to use

Different batches, not too much visual difference, can be put around the main screen.

System Stable

Main controller has good compatibility, on-site system is stable.

Die casting aluminum structure

Die casting aluminum structure will not be deformed even after frequent installation and uninstallation.
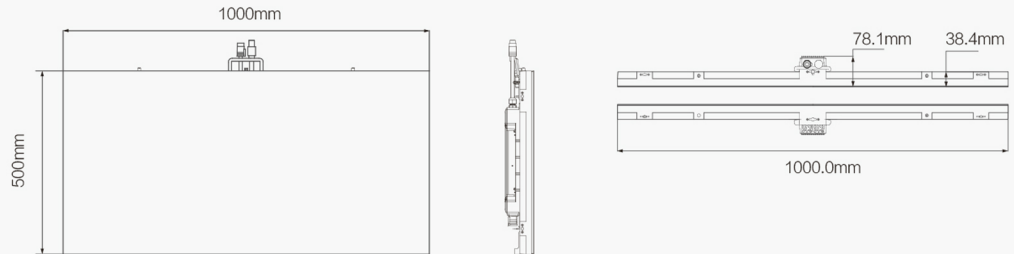
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Simple

No complicated installation, No steel structure, fast positioning and fast installation, convenient and quick maintenance.

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1000 × 500 × 78 /
8.5 Kg

Transparent LED rental screen is a new type of LED
display with features like transparent display, easy to
install and disassemble, smart control etc. A totally new, irreplaceable, creative application effect
can be realized by using transparent led screen in concert, TV station's party & large entertainment
program, auto show & high-end exhibition, and large-scale new product launch conference etc.
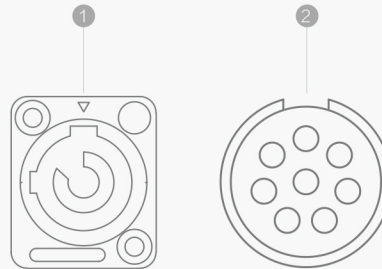
Specifications

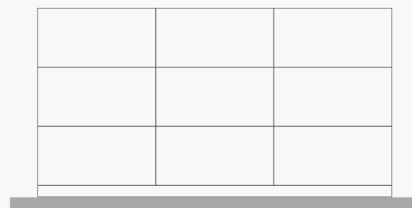| Size (mm)	1000X 500
Model	I3
	−M1000
Pixel Pitch (mm)	3.9 x 7.8
Pixel Density (dot/m²)	32768
Module Resolution (dot)	256 X 64
LED Type	SMD 3 in 1
Brightness (cd/m²)	5000
Transparency	82%
Viewing Angle	120
Grey Level	14bits
Scan Mode	1/4
Refesh Rate (Hz)	3840
Frame Frequency (Hz)	60
Avg.Power Consumption(W/ m²)	240
Max.Power Consumption(W/ m²)	800
Maintenance	Back
IP	IP42
Working Temp	−20~50℃
Weight (kg/ m²)	17

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Helios

Connectivity

1 POWER
2 LAN

① ②

2 Types of Installation

Hang

Floor stand

System topology

| Screen Resolution | Control System | Output Screen |

Screen Resolution
≤1920*1080px

Controller C5.0

Scan Board

Built-In

Helios Screen

PC

Screen Resolution
≥1920*1080px

Video Splitter

Controller C5.0

Scan Board

Built-In

Helios Screen

Screen Resolution
≤1024*600px

Media Player
Mdea2Plus

Scan Board

Built-In

Helios Screen

PC / Mobile Phone

Screen Resolution
≤1920*1080px

Media Player
Mdea3