iDisc - Discovery Series

Discover the Colorful World

Indoor Fine Pitch LED Display

Applications

TV Studios

Indoor Advertising

LED Ceiling

Sports Events

Exhibitions

Theaters

Cabinet Size: 600×337.5×29mm

Key Features

Ultra Light and Thin

Ultra High -definition

High Grayscale

Fast and Flexible Installation

Convenient Maintenance

Dual Backup System

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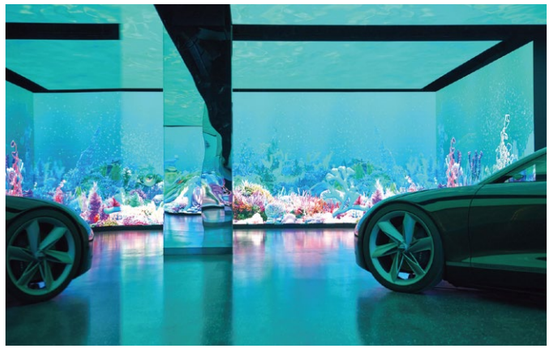
iDisc Series Specification

No.	Model	DS093	DS012	DS015	DS018	DS025
LED Type	LED Type	Mini LED 4 in 1	Mini LED / SMD1010 black	SMD1212 black	1515 black	SMD2020 black
Module	Pixel Pitch (mm)	0.93	1.25	1.56	1.87	2.5
	Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	Module Resolution (W x H)	160x360	120x270	96x216	80x180	60x135
	Module Size (mm)	150x337.5				
Cabinet	Module Arrangement (W x H)	4x1				
	Cabinet Resolution (W x H)	640x360	480x270	384x216	320x180	240x135
	Cabinet area (㎡)	0.2025 / 27"				
	Cabinet size (mm)	600x337.5				
	Cabinet Material	Die-casting Aluminum				
	Net.weight/Cabinet (kg)	4.5				
	Ingress Protection	IP31				
	Working Voltage (V)	100-240				
	Serviceability	Front				
Display	Max.Power Consumption (W/m^2)	630	750/580	570	550	590
	Avg.Power Consumption (W/m^2)	189	250/174	174	174	200
	Viewing Angle (H/V °)	160/140	160/140	160/140	160/140	160/140
	Brightness (cd/m^2)	600	600	600	600	800
	Pixel Density (dots/m^2)	1,137,778	640,000	409,600	284,444	160,000
	Contrast Ratio	5000:1				
	Operation Temperature/Humidity	-20℃~+45℃/10~80%RH				
	Lifetime (50% Brightness)	100000				
	Greyscale (bit)	14				
	Refresh Rate	1920~3840				
	Frame Rate	60				
	Screen Angle	Flat, Concave, Convex, 90°				
	Installation Method	Direct wall Mounting / Mounting Frame				
	Certificate	CE / EMC / LVD / RoHS / Blue Light Proof				

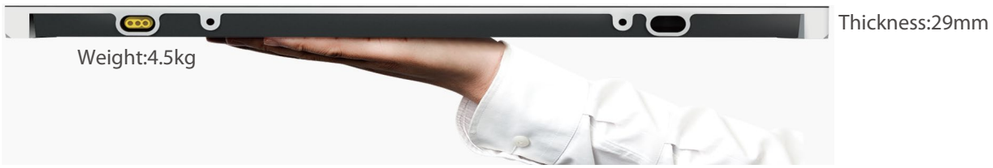
Remarks: The power consumption will fluctuate within ± 15%, depending on the brightness of different batches of lamps, subject to the actual situation.

Project Case



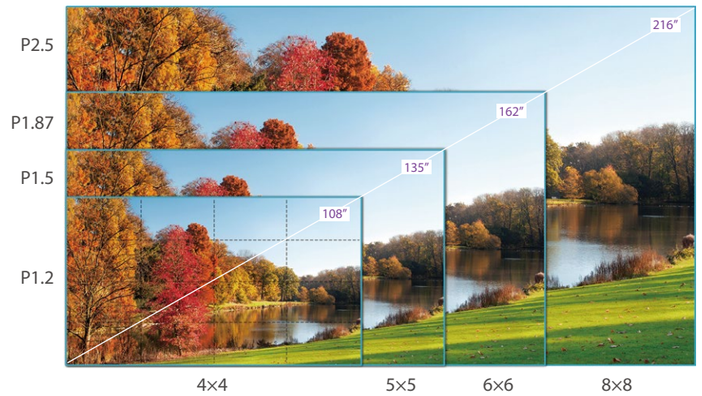
Lighter and Thinner

4.5KG/cabinet, 29mm thickness,
thinner than 95% LED displays in the industry.



2K/4K/8K Resolution

Discovery S adopts standard panels in 27",
can be spliced into standard resolution of 2K(1920×1080), 4K(3840×2160), 8K(7680×4320).
It's specifically designed for applications that require close viewing distances.
It can splice into any size to meet the needs of different application scenarios.



Easy And Convenient Maintenance

Smart module supports hot swap, plug and play.
Modular design and magnetic installation & service saves time and cost.

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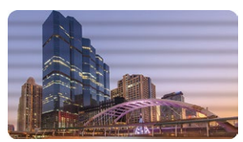
Fast and Flexible Installation

The cabinet is made of CNC die-casting aluminum for efficient heat dissipation.
Hidden cable design makes one-key fast lock installation available, safe and stable.
Integrated design can effectively realize fast, high-precision, uniform and seamless splicing.

Outstanding Visual Impact

Discovery S | Other

Nanosecond-level video decoding and restoration technology greatly shortens the frame time, ensuring there's no tailing and ghost superposition of fast dynamic image.

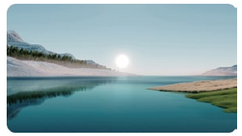


High refresh rate brings stable and flicker-free image, presenting excellent dynamic video effects.

High Refresh Rate | Delicate Colors | High Contrast Ratio | Anti Blue Light

Compared With LCD Display

Discovery S | LCD

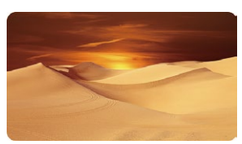
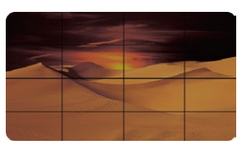


Brightness

Discovery S has higher brightness than LCD displays, and is not affected by ambient lighting.

Grayscale

It has higher grayscale than LCD displays, presenting vivid details, delicate colors and dynamic visual experience.

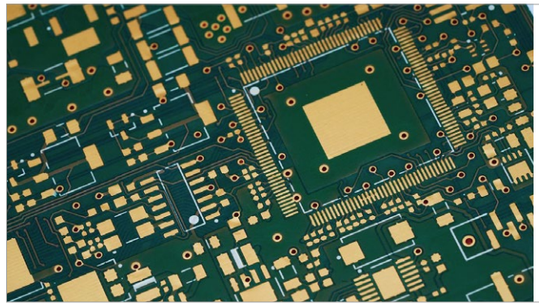
Seamless Splicing

It can be seamless spliced to a large screen in any size, whereas the seam of LCD displays is more than 3.5mm.

LED WALL, LED POSTER, LED TV, ALL IN ONE !

Applications

Lobbies | Shopping Malls | Hospital | Schools | Corporate | Chain Stores | Fashion Stores | Car Dealers | Showroom



Germany quality PCB from Schweizer Electronic AG

SCHWEIZER

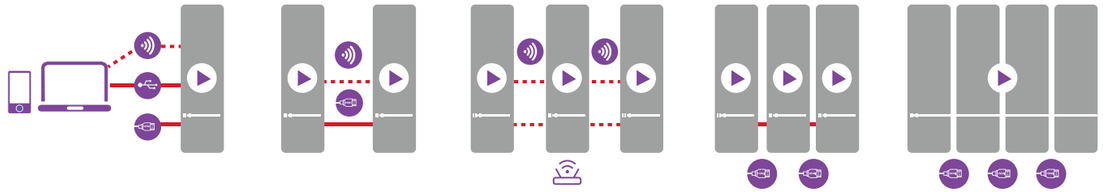
HD display picture quality

- Multiple screen splicing,no black line in between
- 3840Hz refresh rate
- 160⁰ Wide view angle
- 4x4pcs P1.25mm, 5x5pcs P1.56mm, 6x6pcs P1.875mm, exact Full HD resolution

Appearance

- Cabinet is light and thin
- Easy to setup and dismantle
- Thickness 45mm including rear frame
- Weight: 102kg/4x4pcs, 155kg/5x5pcs, 220kg/6x6pcs, 460kg/8x8pcs

Synchronous/Asynchronous mode



Low power consumption

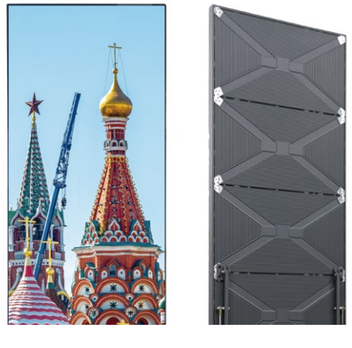
It saves about 10% more energy than normal screen.

Low brightness and high grey scale

Suitable for long time viewing and daily use.

Flexible combination

6/5/4 cabinets high



High IP level

Adopt all-weather protection technology IP34.

- Collision protection
- Moisture protection
- Anti-staic
- Efficient heat dissipation