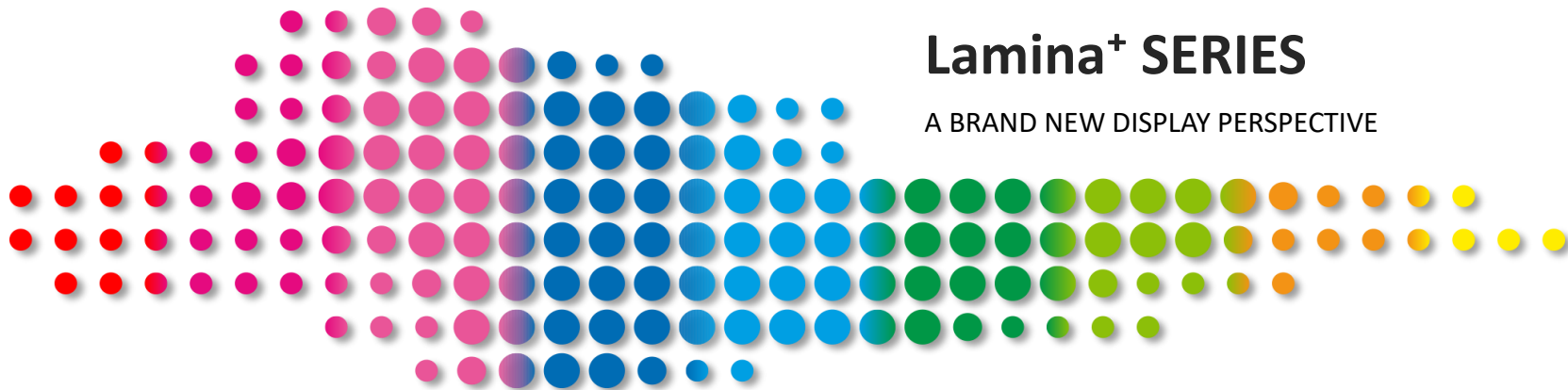




Lamina⁺ SERIES

A BRAND NEW DISPLAY PERSPECTIVE

CONTENTS

A

Analysis

B

Field of Application

C

Features

1. Design
2. Performance
3. Structure

D

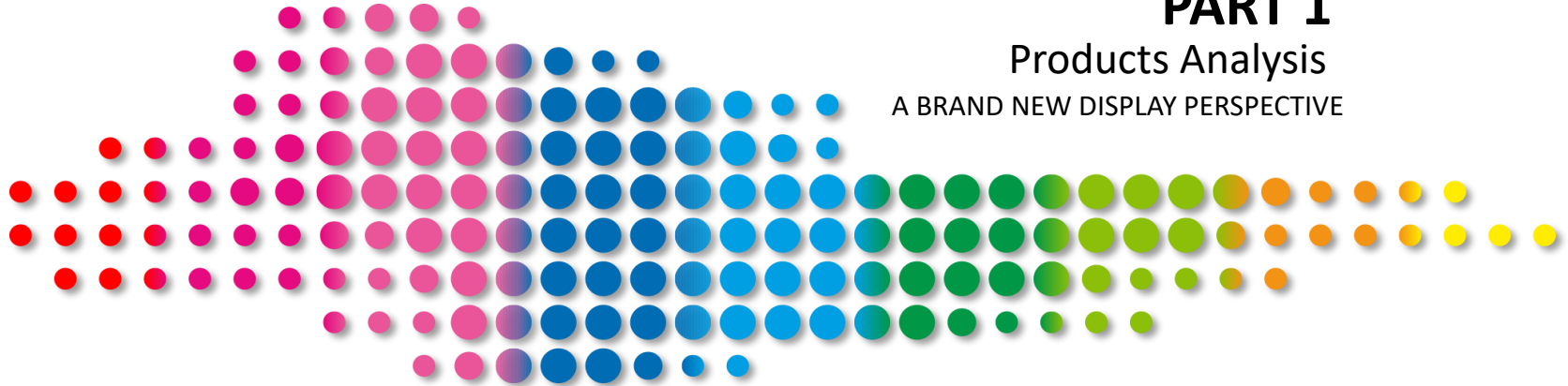
Specification



PART 1

Products Analysis

A BRAND NEW DISPLAY PERSPECTIVE



Lamina+ SERIES

P1.9/2.6/2.9/3.9

Product Analysis



A

Lightweight and slim

B

No back shell design

C

A perfect flatness

D

Extremely functional heat dissipation

E

PSU and Receiving cards double backup

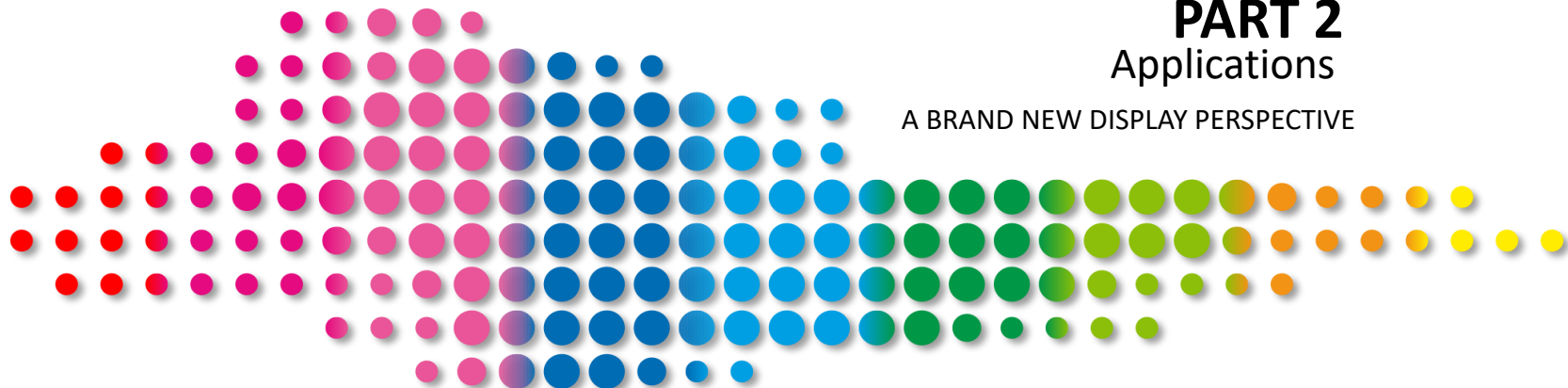
F

Cabinet size: 500x250mm - 750x250mm - 1000x250mm
Module size: 250mmX250mm

PART 2

Applications

A BRAND NEW DISPLAY PERSPECTIVE



Field of Application

- Multi-assembly
- Widely application
- Design for indoor/fix

APPLICATIONS:

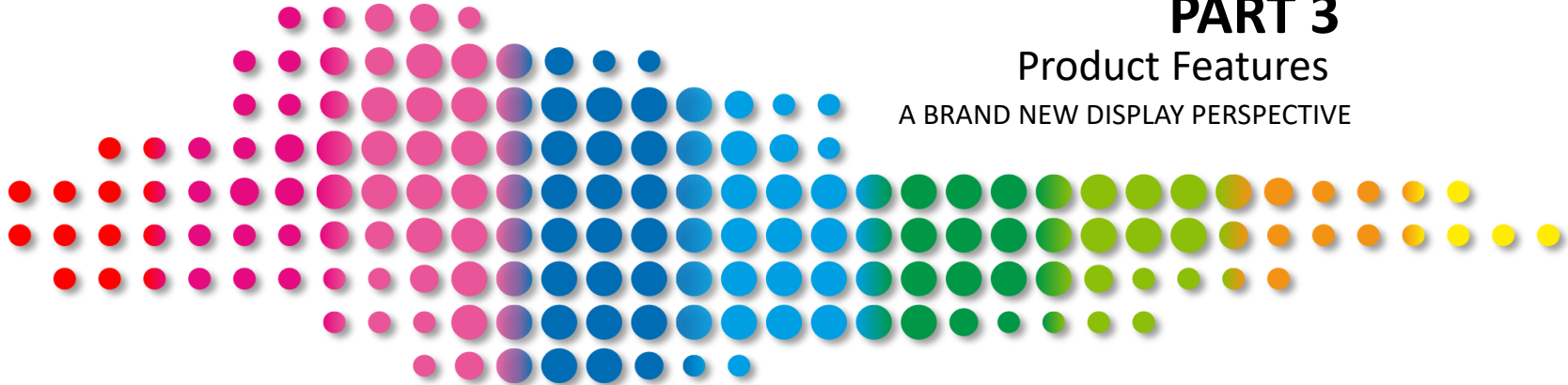
Retail shops, chain stores,
TV studios, Cinemas, Airports,
Museums



PART 3

Product Features

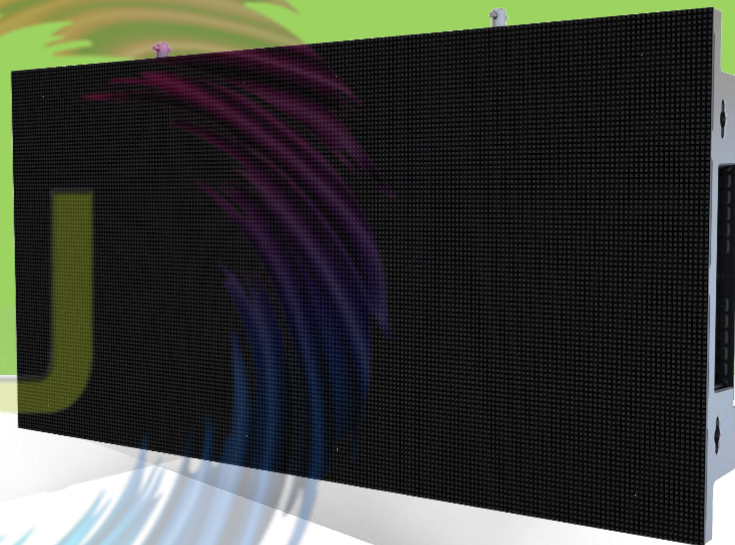
A BRAND NEW DISPLAY PERSPECTIVE



3.1 DESIGN

COMPACT APPEARANCE

- Refined cabinet design, with no extra uncovering cables outward.

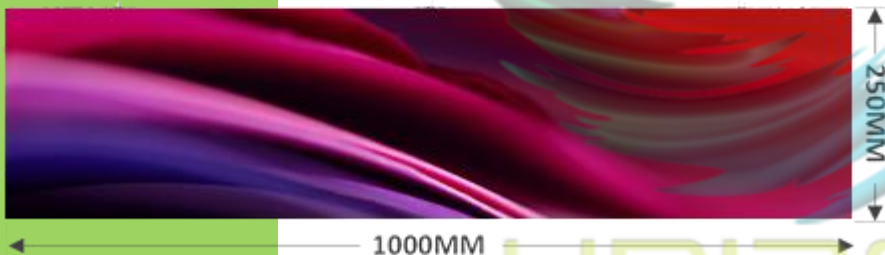
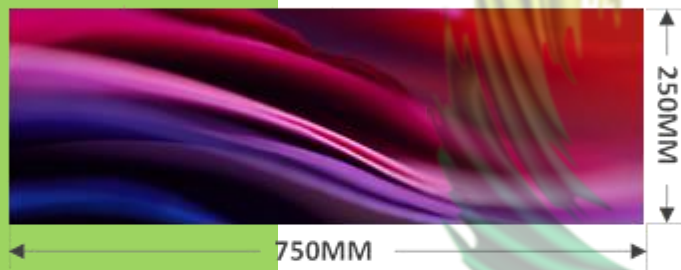


MULTI-CABINET SIZES

3

CHOICE

- 500x250x48MM
- 750x250x48MM
- 1000x250x48MM



LIGHTWEIGHT AND SLIM CABINET



5KG

Super light cabinet

Only 5kg for 750x250mm cabinet

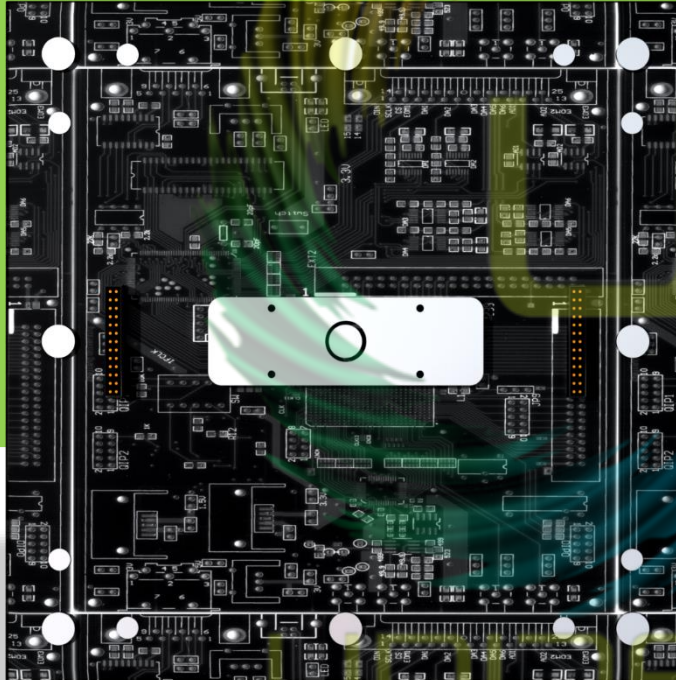


48mm

Super slim cabinet

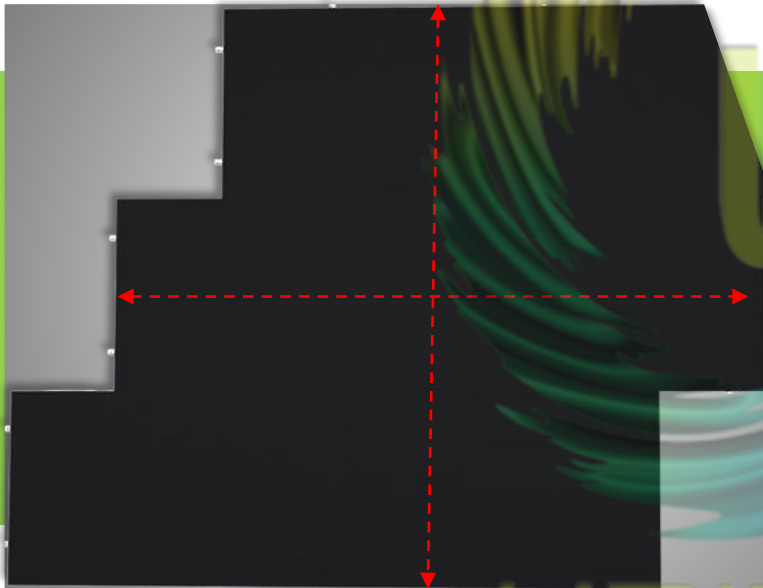
Depth of only 48mm.

MODULE WITH NO BACK SHELL DESIGN



- Ultra-thin module
- With no back shell design
- Convenient for dismantlement

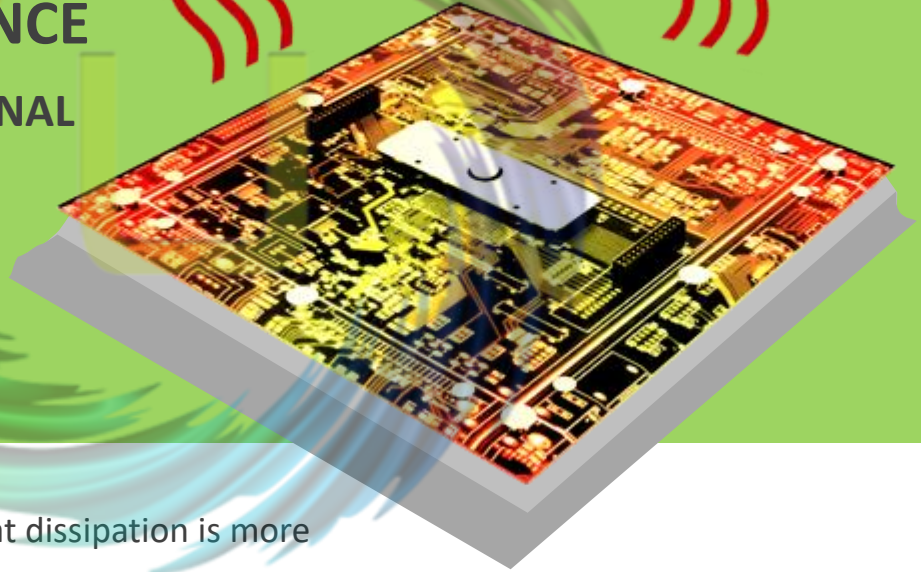
A PERFECT FLATNESS



- A perfect flatness inside and gap control between cabinet.

3.2 PERFORMANCE

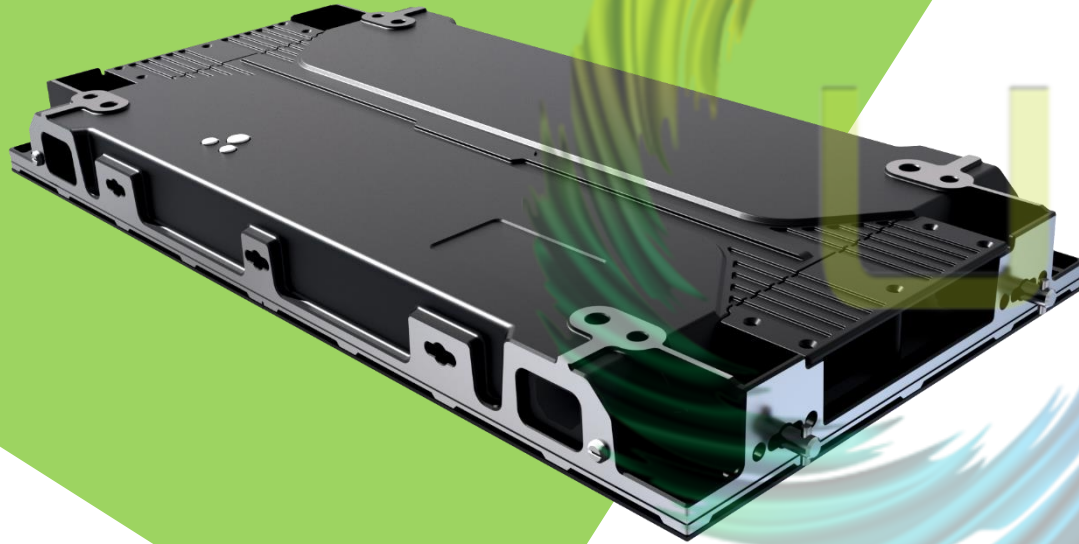
EXTREMELY FUNCTIONAL
HEAT DISSIPATION



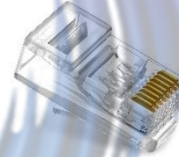
- Without back shell, heat dissipation is more efficient

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Internal connection of power and data cables



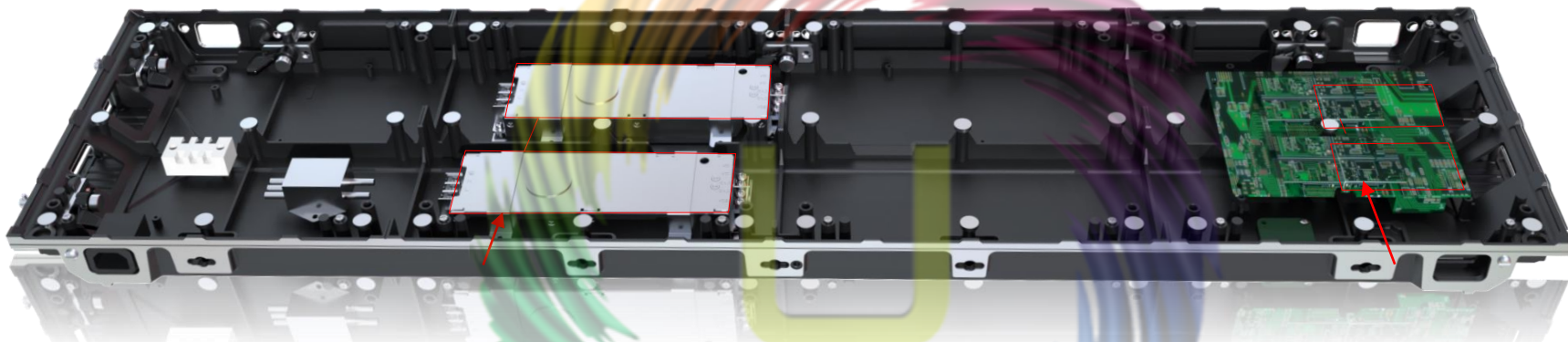
pin connector



RJ45 connector

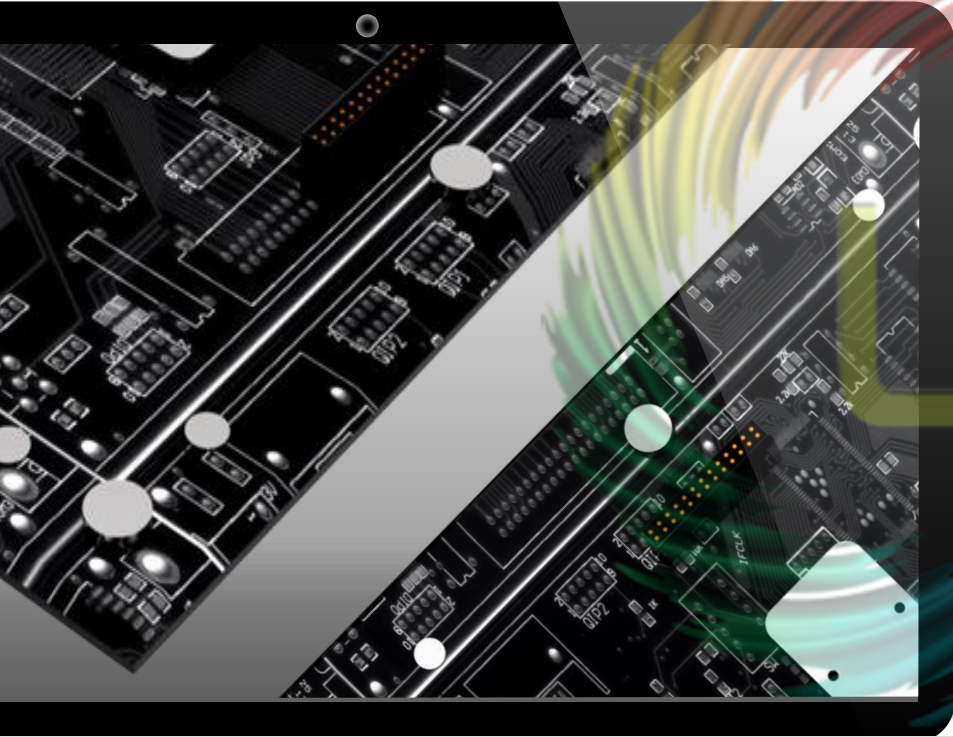
- Power cable with pin connector while data cable with RJ45 connector are connected internally.

PSU AND RECEIVING CARDS DOUBLE BACKUP (OPTIONAL)



PSU will be backed up by N+1 quantity.
A way of power transmission can work automatically when another way fails, in order to ensure the constant working of the product.

A receiving card can work automatically when another one fails, in order to ensure a sustainable and reliability work of the product, mostly in some key moments.



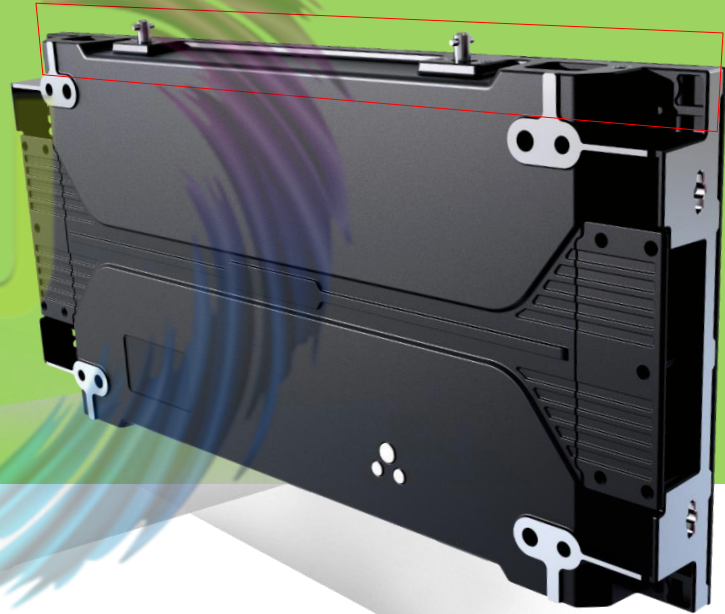
SMART MODULES

Smart modules option with also
calibration function

3.3 STRUCTURE

FAST LOCK DESIGN

- A smart, quick and easier installation is possible thanks to auto upside and downside locks.

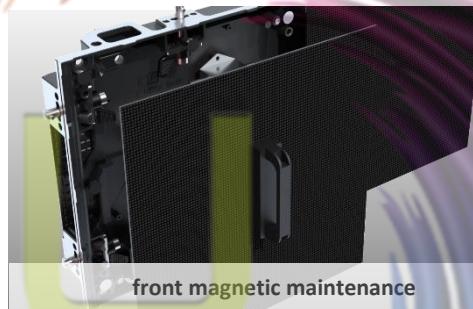


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FULL FRONT MAINTENANCE

MODULE

front magnetic maintenance
and front vacuum maintenance



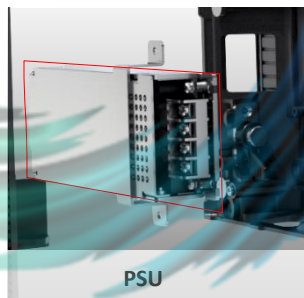
front magnetic maintenance



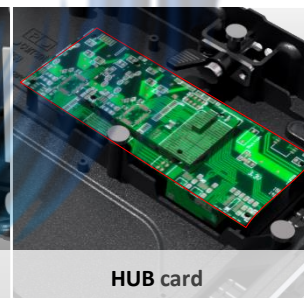
front vacuum maintenance

FRONT MAINTENANCE

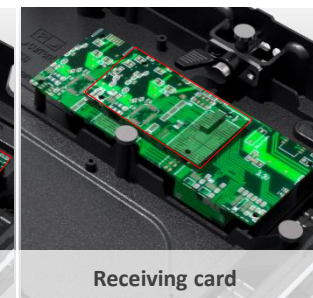
PSU + HUB card + Receiving card



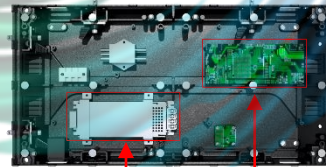
PSU



HUB card



Receiving card

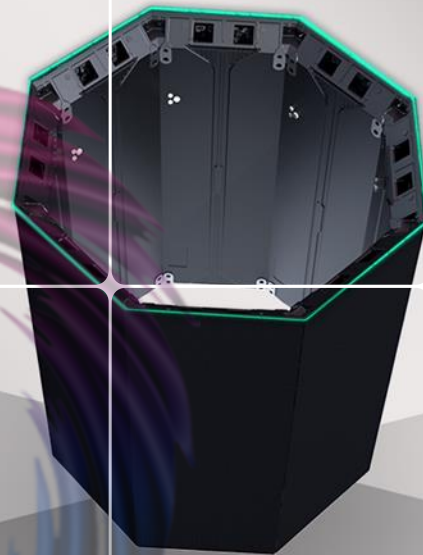
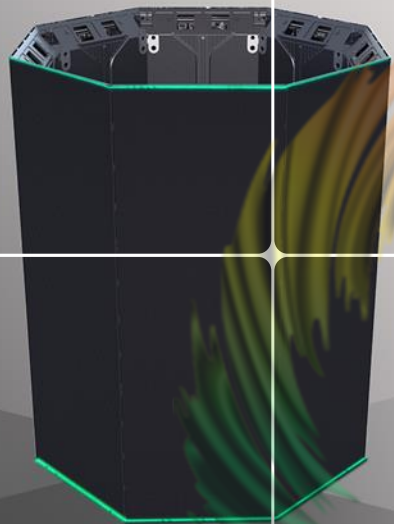


power

HUB cards

EASY MAINTENANCE

- Modules are designed without back shell
- HUB cards and PSU can be taken down and maintained quickly
- AS long as the two piece corresponding modules are taken down



CURVED CABINET OPTION

- Outer arch can reach $5^{\circ} \sim 10^{\circ}$ (vertical) without dimming light while inner arch can reach $-90^{\circ} \sim 0^{\circ}$ without bright light vertically, so the screen can realize concave-convex effect easily

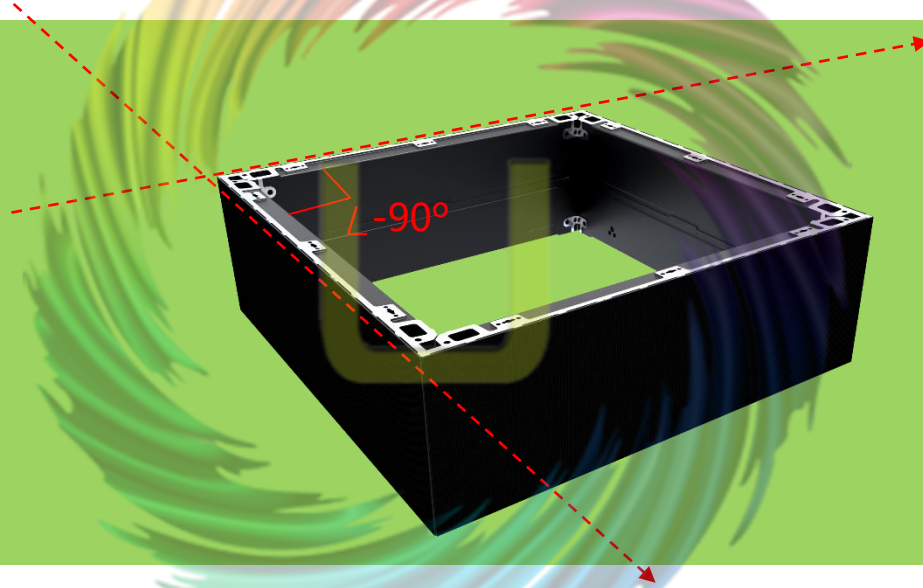


MALPOSED COMBINATION

- Cabinets can create malposed combinations



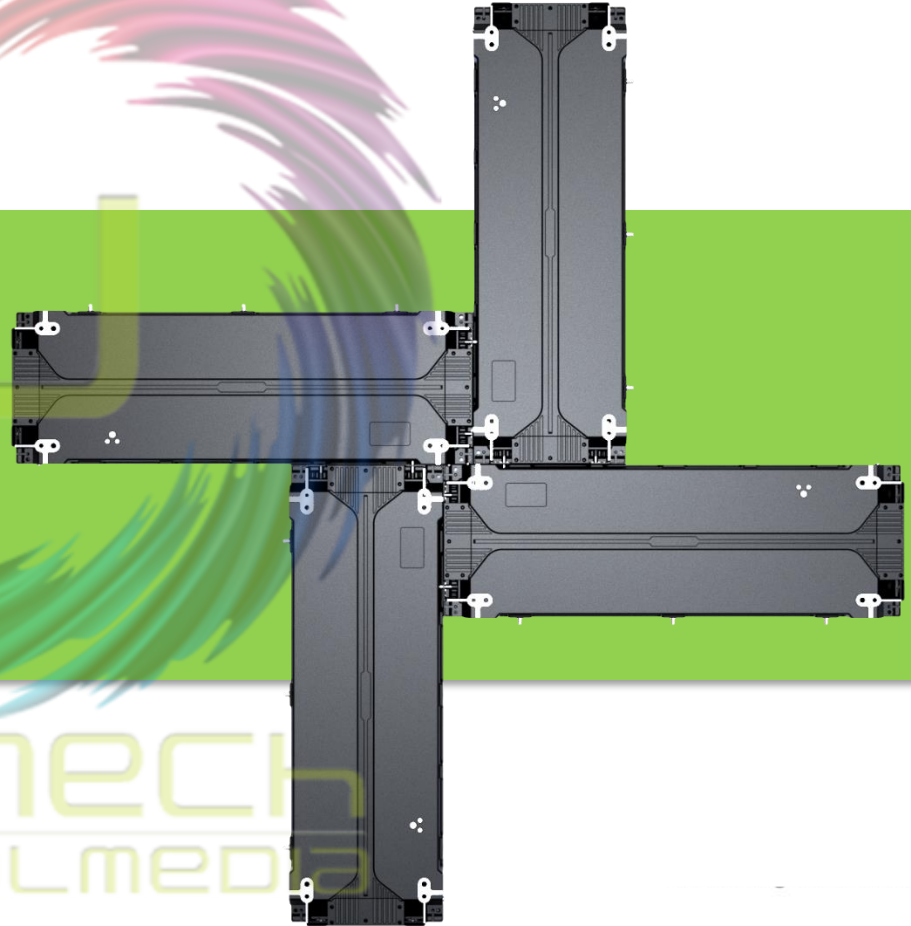
CUT-CORNER SCREEN & CORNER SCREEN



- Cabinets can be combined freely to cut-corner and corner ($-90^{\circ} \sim 0^{\circ}$) screen horizontally

ROTATE MODULES

- Modules can be rotated and interlaced
- The width can be matched at will
- Can add any size screen

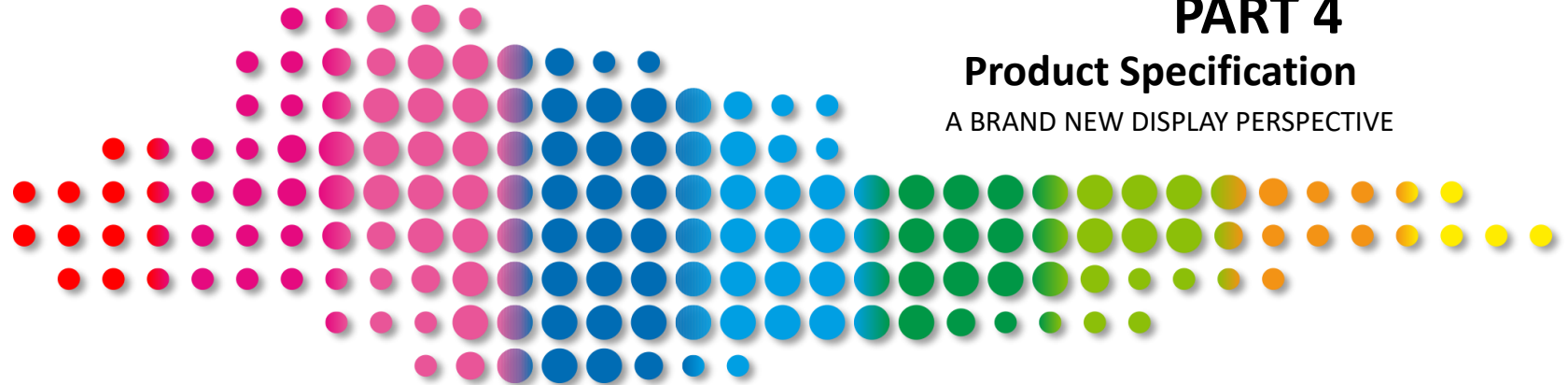


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COMBINED IT WITH Ai+

- Cabinets can be mixed combined with **Ai+** to make more multiple appearance
-



PART 4

Product Specification

A BRAND NEW DISPLAY PERSPECTIVE

Model		Lamina ⁺ 1.9	Lamina ⁺ 2.6
Physical parameters	Pixel Configuration	SMD1010	SMD2020
	Pixel matrix per panel	384x128	288x96
	Cabinet Dimensions (WxHxD)	750x250x48mm	750x250x48mm
	Module Dimensions (WxH)	250x250mm	250x250mm
	Module weight (kg/panel)	0.45 kg/panel	0.45 kg/panel
Electronic parameters	Color Grayscale (Bit)	13bit	14bit
	Refresh Rate (Hz)	1920-2880(EMC)	1920-3840(EMC)
	Driving Type	1/32scan	1/24scan
	Signal Transmission Distance	CAT5 cable: <100 m; Single mode fiber: <10 km	CAT5 cable: <100 m; Single mode fiber: <10 km
Optoelectronic parameters	Brightness (nits)	1000	1000
	Optimal Horizontal Viewing Angle	160°	160°
	Optimal Vertical Viewing Angle	140°	110°
Electrical parameters	AC Input Voltage (V)	AC 100-240V	AC 100-240V
	AC Input Power Maximum Value	145	105
	AC Input Power Typical Value	50	35
Circumstance Parameter	Storage Temperature (°C)	-40°C~-60°C	-40°C~-60°C
	Working Temperature (°C)	0°C~-40°C	0°C~-40°C
	IP rating (Front/Rear)	IP40/IP20	IP40/IP20
	Working Humidity (RH)	10%-60%non-condensing	10%-60%non-condensing
	Lifetime Typical Value (hrs)	100000	100000
Installation	Cabinet installation	fix	fix

Model		Lamina* 2.9	Lamina* 3.9
Physical parameters	Pixel Configuration	SMD2020	SMD2020
	Pixel matrix per panel	252x84mm	192x64
	Cabinet Dimensions (WxHxD)	750x250x48mm	750x250x48mm
	Module Dimensions (WxH)	250x250mm	250x250mm
	Module weight (kg/panel)	0.45kg/panel	0.45kg/panel
Electronic parameters	Color Grayscale (Bit)	13-15bit	13-14bit
	Refresh Rate (Hz)	1920-3840Hz	1920-3840Hz
	Driving Type	1/21scan	1/16scan
	Signal Transmission Distance	CAT5 cable:<100 m; Single mode fiber:<10 km	CAT5 cable:<100 m; Single mode fiber:<10 km
Optoelectronic parameters	Brightness (nits)	1000	1000
	Optimal Horizontal Viewing Angle	160°	160°
	Optimal Vertical Viewing Angle	110°	110°
Electrical parameters	AC Input Voltage (V)	AC 100-240V	AC 100-240V
	AC Input Power Maximum Value	105	100
	AC Input Power Typical Value	35	35
Circumstance Parameter	Storage Temperature (°C)	-40°C~-60°C	-40°C~-60°C
	Working Temperature (°C)	0°C~-40°C	0°C~-40°C
	IP rating (Front/Rear)	IP40/IP20	IP40/IP20
	Working Humidity (RH)	10%-60%non-condensing	10%-60%non-condensing
	Lifetime Typical Value (hrs)	100000	≥100000
Installation	Cabinet installation	fix	fix



Unitech Digital Media srl

Via della Costituzione Isola A3
80121 Napoli (NA)
(+39) 0818063500
info@unitechdigitalmedia.com

Via Achille Grandi, 4
Peschiera Borromeo

