

Wallpaper outdoor series
2.8V&3.8V energy saving with elegant design



Why

Haikoco Outdoor Wallpaper is Best?

1

22kg/m² is lightest weight base on front & back service outdoor panel.
13 Pixel Pitches in WPO series available.

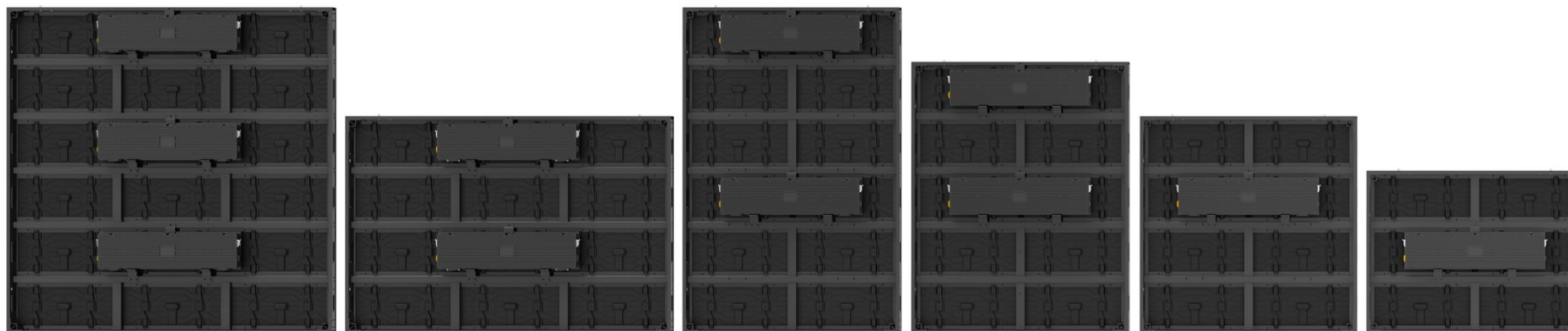
(P2.9, P3.91, P4.81, P5.2, P5.33, P5.95, P6.25, P6.67, P7.82, P8, P10, P10.4 & P15.6)



2

WPO can make 250mm, 500mm, 750mm, 1000mm, 1250mm, 1500mm Height & 500mm, 1000mm, 1500mm, 1750mm Width.

Also can make 320mm, 640mm, 960mm, 1280mm, 1600mm whatever in W/H.



1500x1500

1500x1000

1000x1500

1000x1250

1000x1000

1000x750



1750x500



1000x500



1000x250



500x1500/1250/1000/500

3

No.1 Contrast Ratio in the world.

HAIKOTO



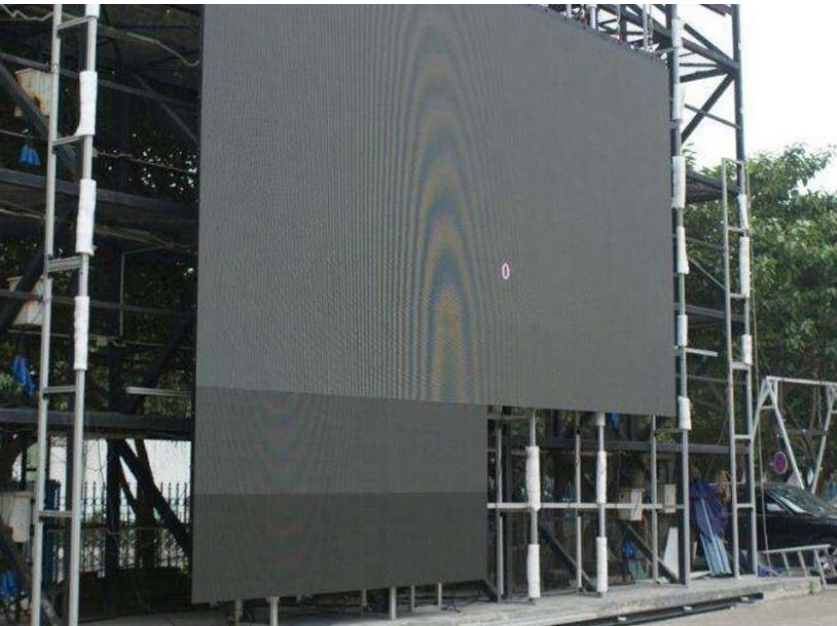
WPO7.8 – 30000:1



WPO10.4 – 35000:1

4

Mask design determines the contrast ratio.
Haikoto mask has perfect contrast.



Different Contrast



Double Louver Design



Louver Length 7.5mm

*(1mm mask depth)

5

Low Voltage PCB design.

Based on SMD, Haikoto reach 7,000 nits, WPO7.8 &10.4 just need 350w max.

Absen / Unilumin officially is 500W

Below comparison based on 10000nits:

Model No.	WPO10.4	WPO7.8	WPO6.25	WPO5.2
Pixel Pitch	10.4mm	7.82mm	6.25mm	5.2mm
Brightness (cd/m2)	10,000	10,000	10,000	10,000
Max. Power Consumption (per m2)	500W	500W	500W	550W
Absen XD Plus series	650W	500W	500W	700W
Unilumin UsurfaceIII	650W	500W	500W	700W

6 NEVER GO BLACK // Power Backup Design & Failure Report.



Normal screen

www.haikoto.com



Haikoto Back up screen

MonitorSite - Settings

Select Screen to Configure: All Screens

Hardware Settings

☐ Connect to Monitori... Setting

☐ Connect to HUB Monitoring

☐ Connect to Smart Module Use 2 receiving car...

☒ Refresh Backup Power Supply

Backup Power Supply Quantity: 2

☐ Refresh Humidity ☐ Refresh Smoke

☐ Refresh Ribbon Cable ☐ Refresh Cabinet Door Status

☐ Refresh Fan

Fan Pulse: 1 PCS/s

☒ Set fan quantity uniformly

☐ Set fan quantity individually Setting

☐ Refresh Power Supply of Monitoring Card

☒ The numbers of power supplies on eac... 3

☐ Set power supply quantity individually... Setting

Note: First time configuration is the default for full screen, later modification will not

Save

Power Backup Setting

MonitorSite - Settings

Email

☒ Enable Email Notification Send email when same fault/... 3 Times sending ...

☒ Enable System Recovery Notification

☐ Enable Sending System Report Email

Send system report email regularly

Email Sender: novalct@novastar.tech Port: 25

Email Address: novalct@novastar.tech

SMTP Server: smtp.qiye.163.com SSL Encryption: ☐ Enable

Modify Sender Use Default

Name	Email address
------	---------------

Email information

Sending Email... A-1 (e.g.: Neighborhood A, Square B)

Tip: If the display has been registered with Novastar, please disable local Email notification...

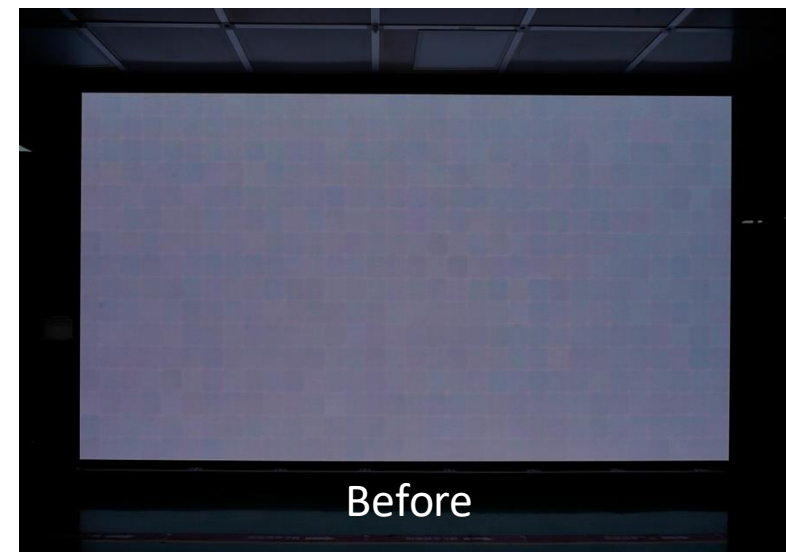
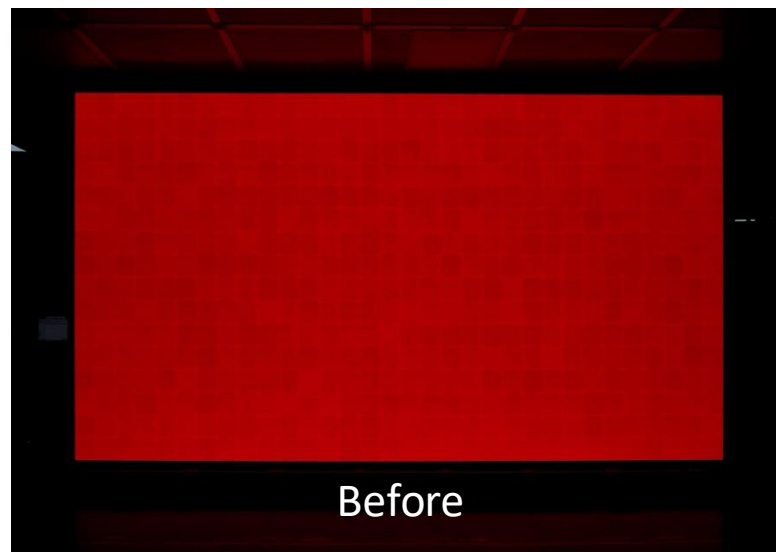
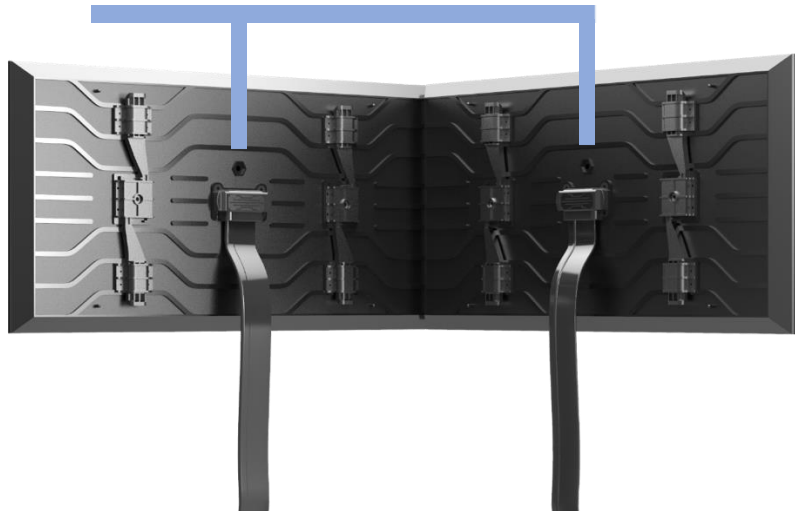
Save

Failure Report Setting

7

Auto-Calibration Memory with Intelligent Module

Memory Chip



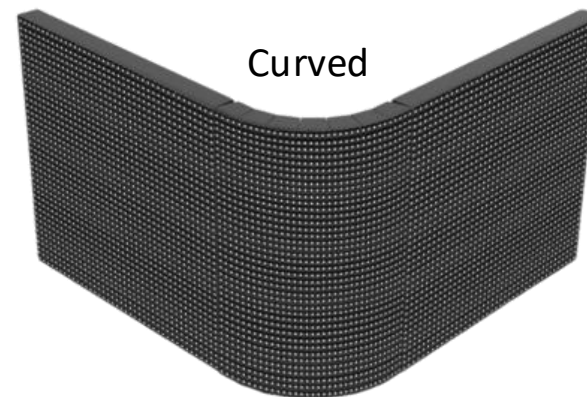
8

Seamless 3D design with curve AR module available.



90° Corner

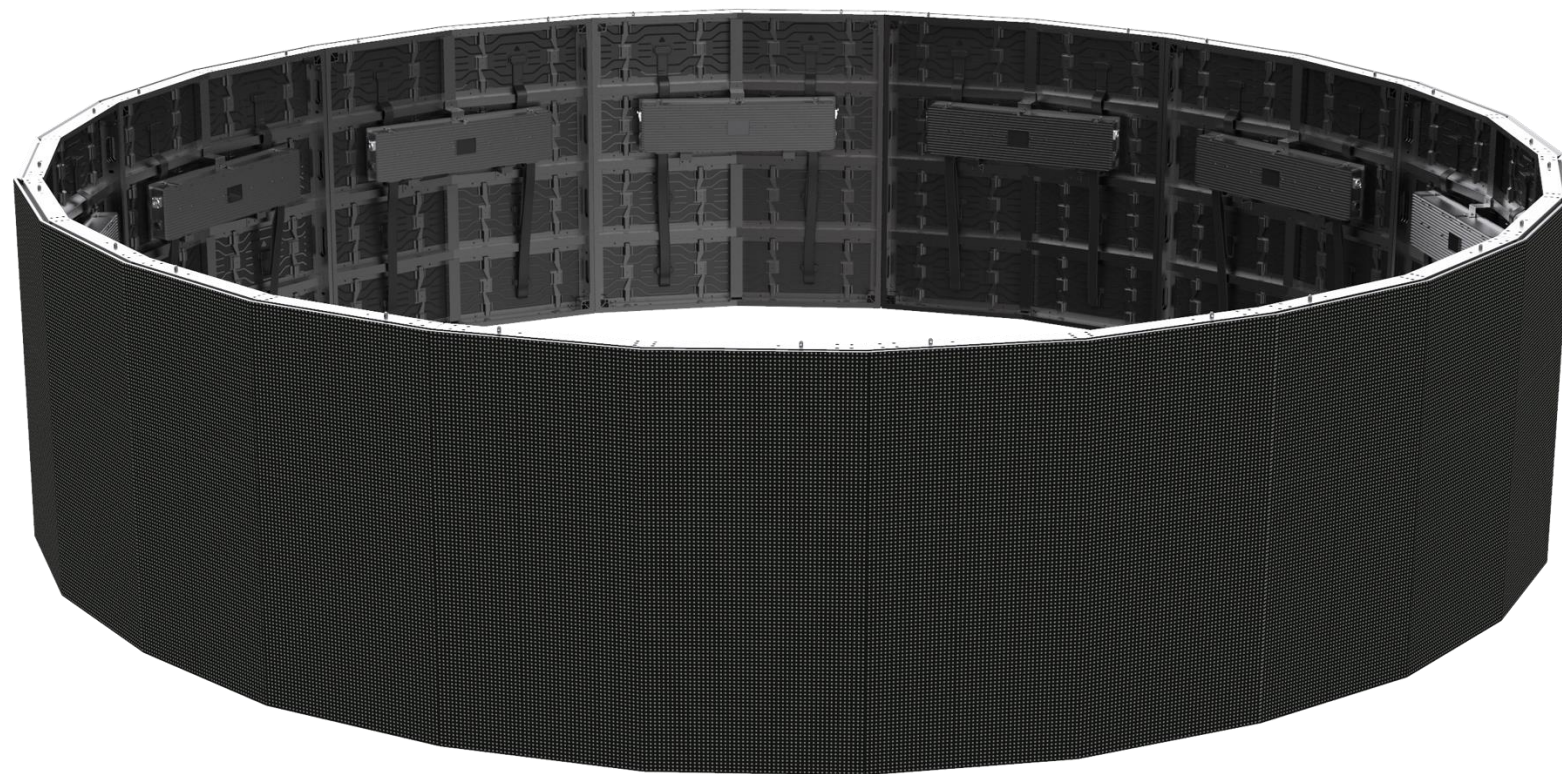
Curved AR
Seamless 3D Design



Curved

9

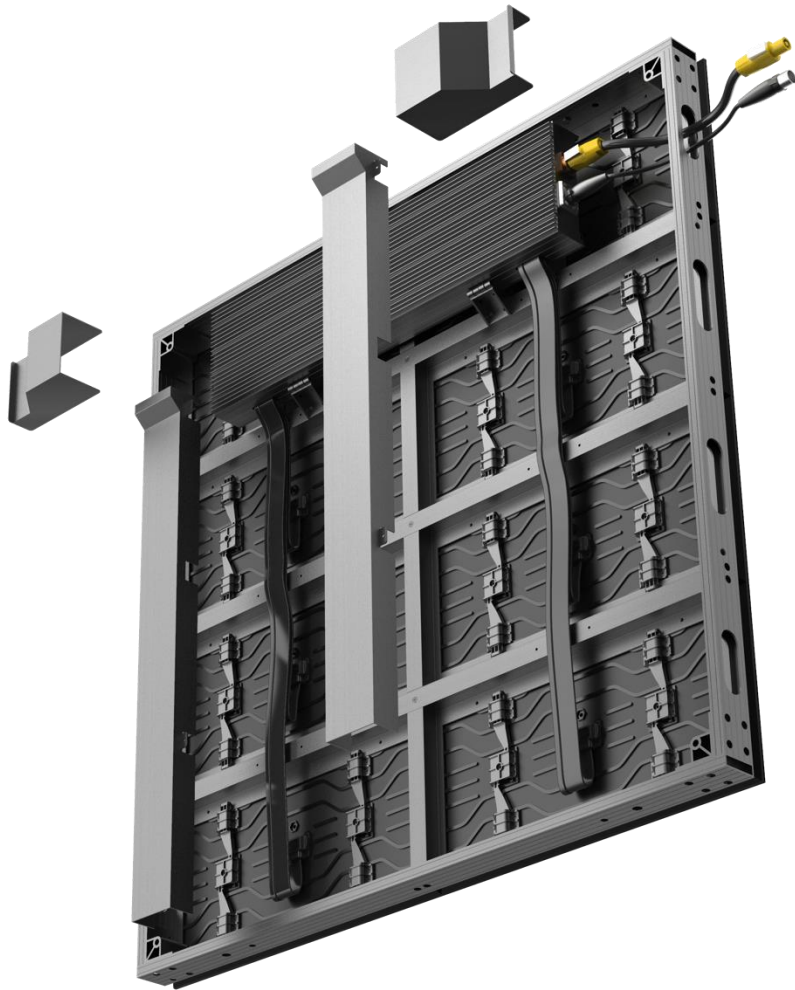
Curve panel (0-45° customized) and Round screen.



10

Invisiable cabling design at panels' backside.

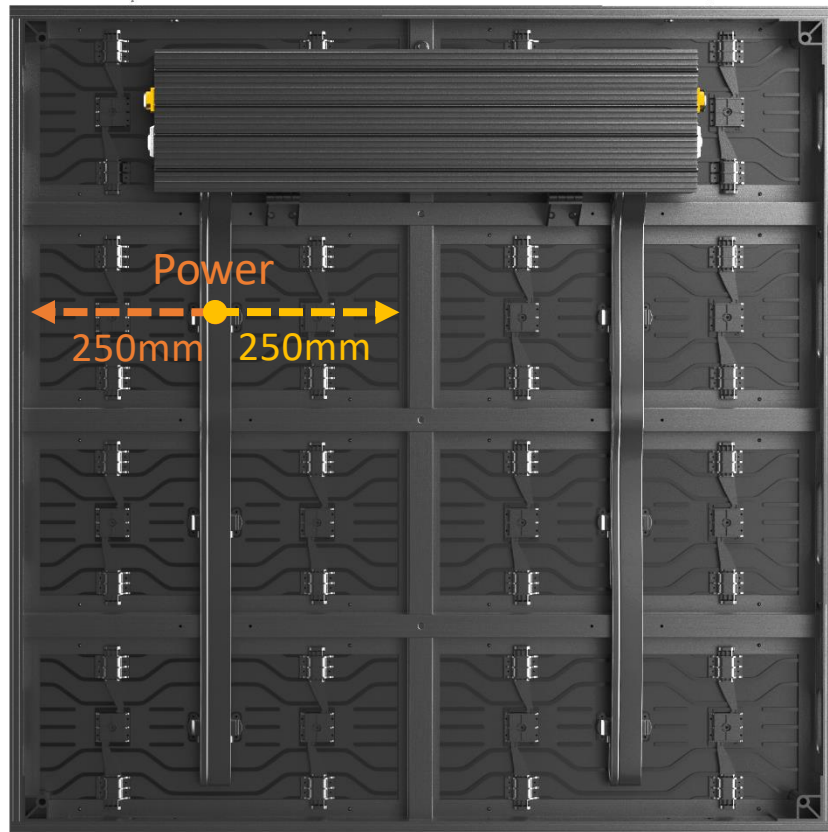
Considering the safety of pedestrians, WPO provides extra cable covers to achieve invisible cabling at backside.



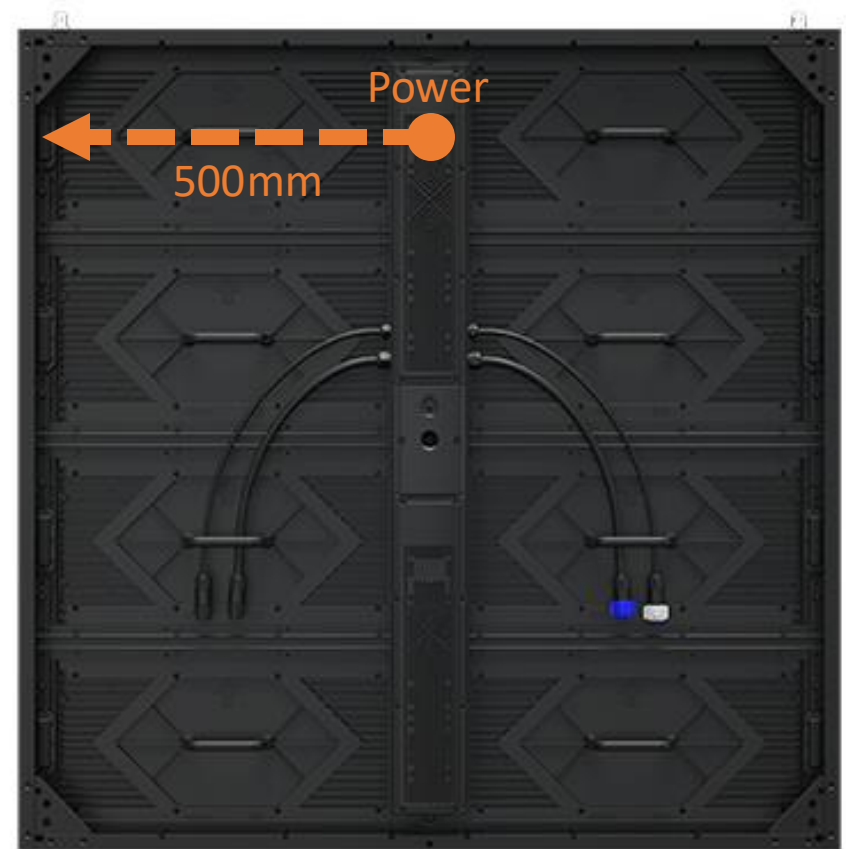
11

Haikoto launched 1 x 1m cabinet size.

To avoid voltage drop, Haikoto power the 250 x 250mm module from middle part.
Other brand power the module from side which will have voltage drop.



Haikoto design

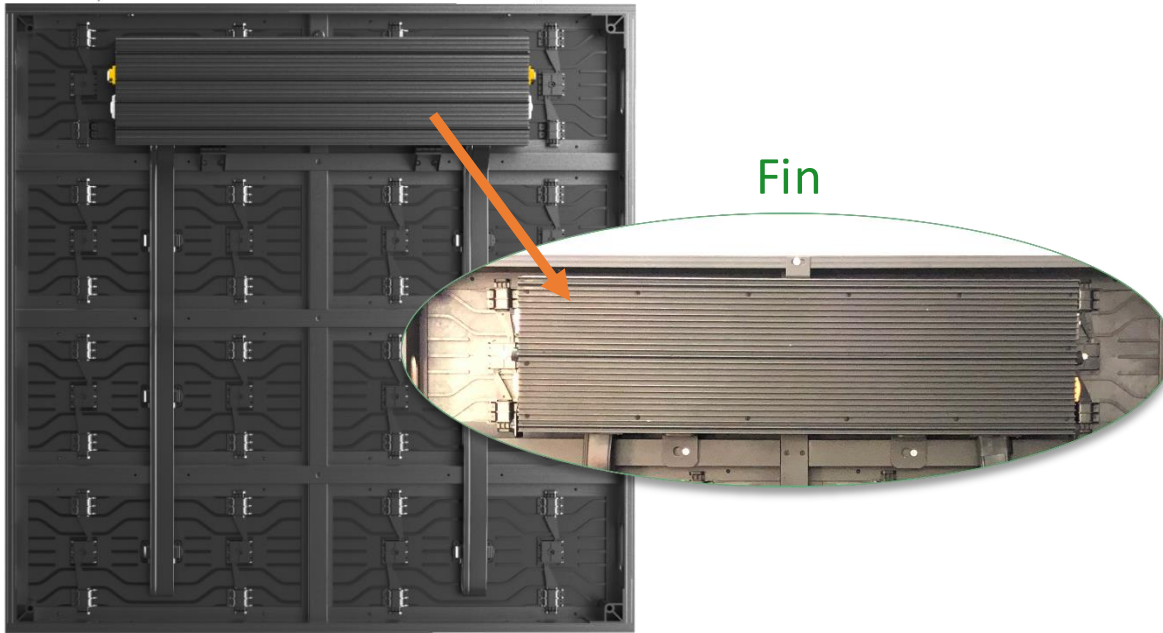


Others design

12

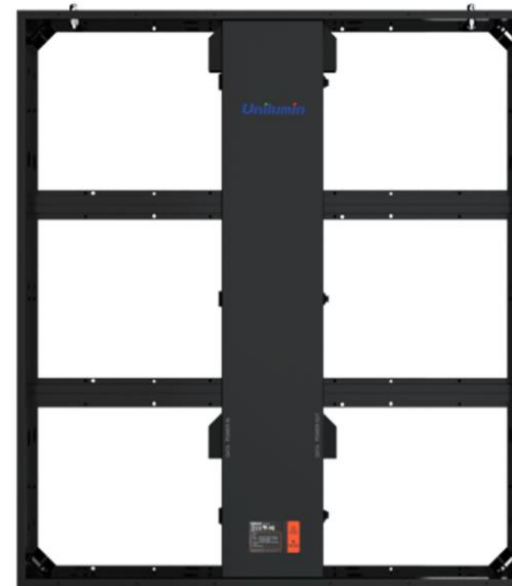
Haikoto die-casting power box has fins design for better heat radiation

Haikoto WPO series



Non-Fin

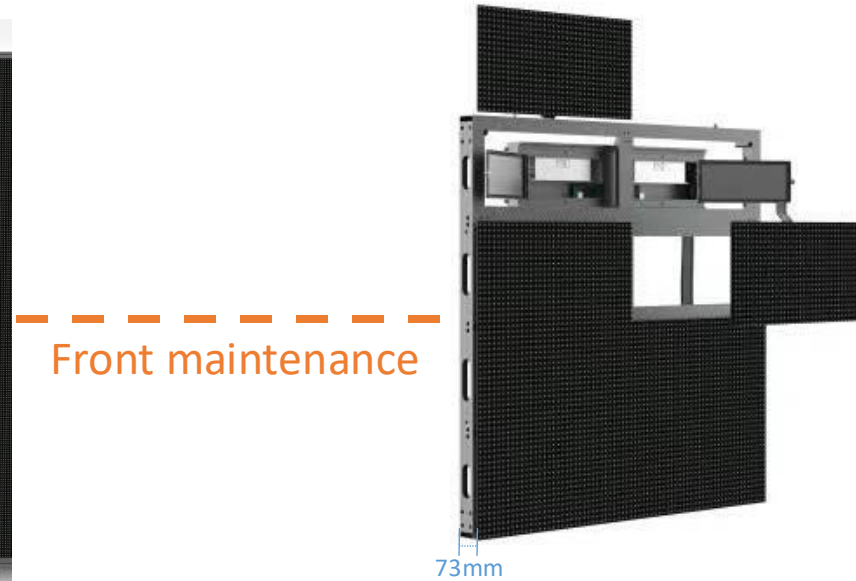
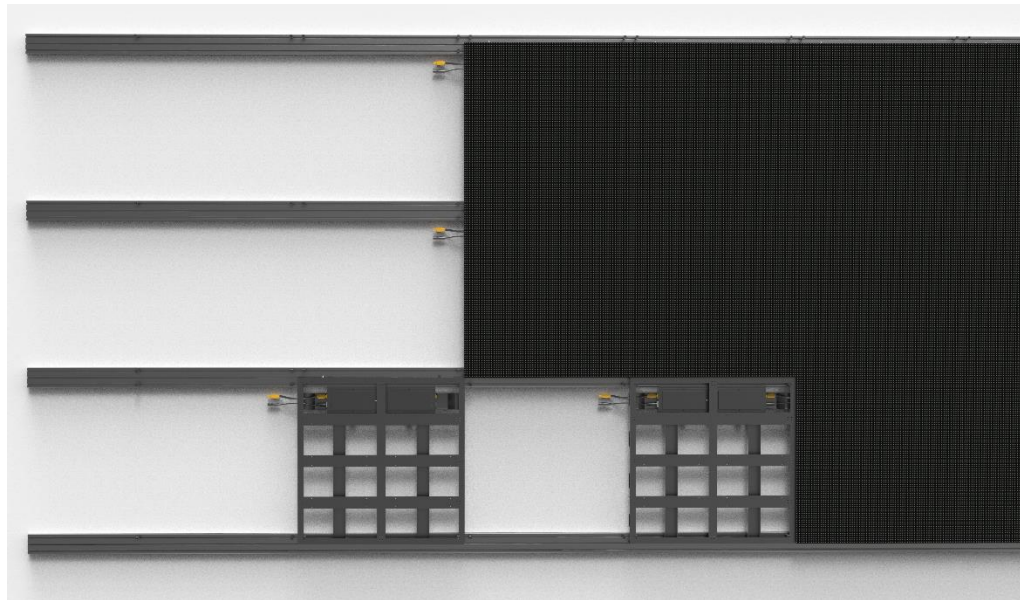
Unilimin Usurface III



Absen XD Plus series



13 Wall mounted Slim led screen solution. Panel depth 73mm + Alu-tubes depth 40mm.



Back maintenance

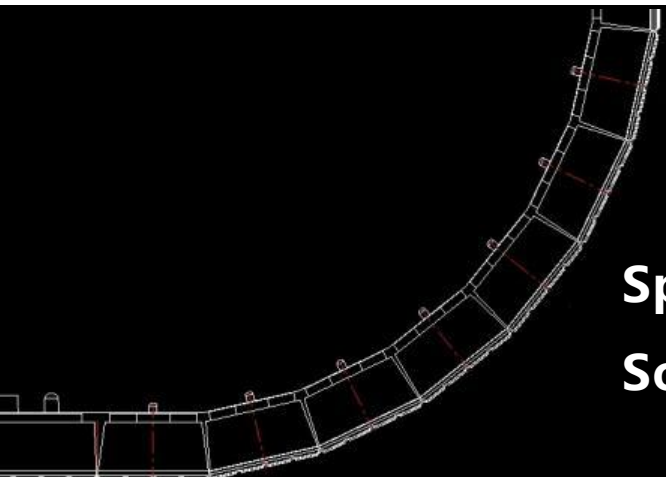


14

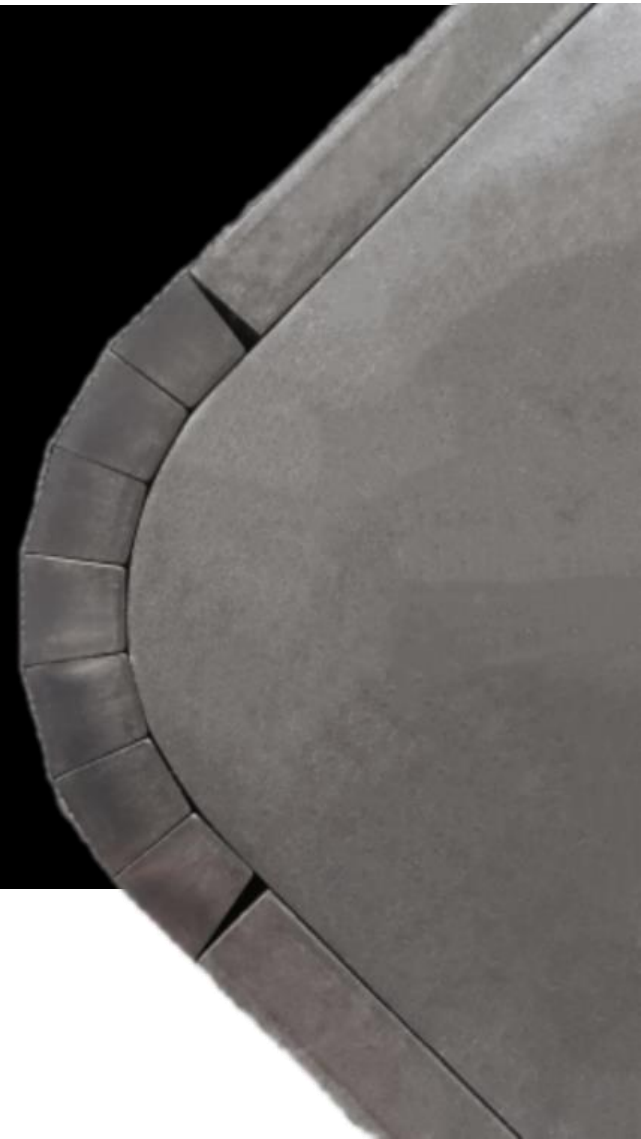
Haikoto module is corner and flat screen2 in 1 design.

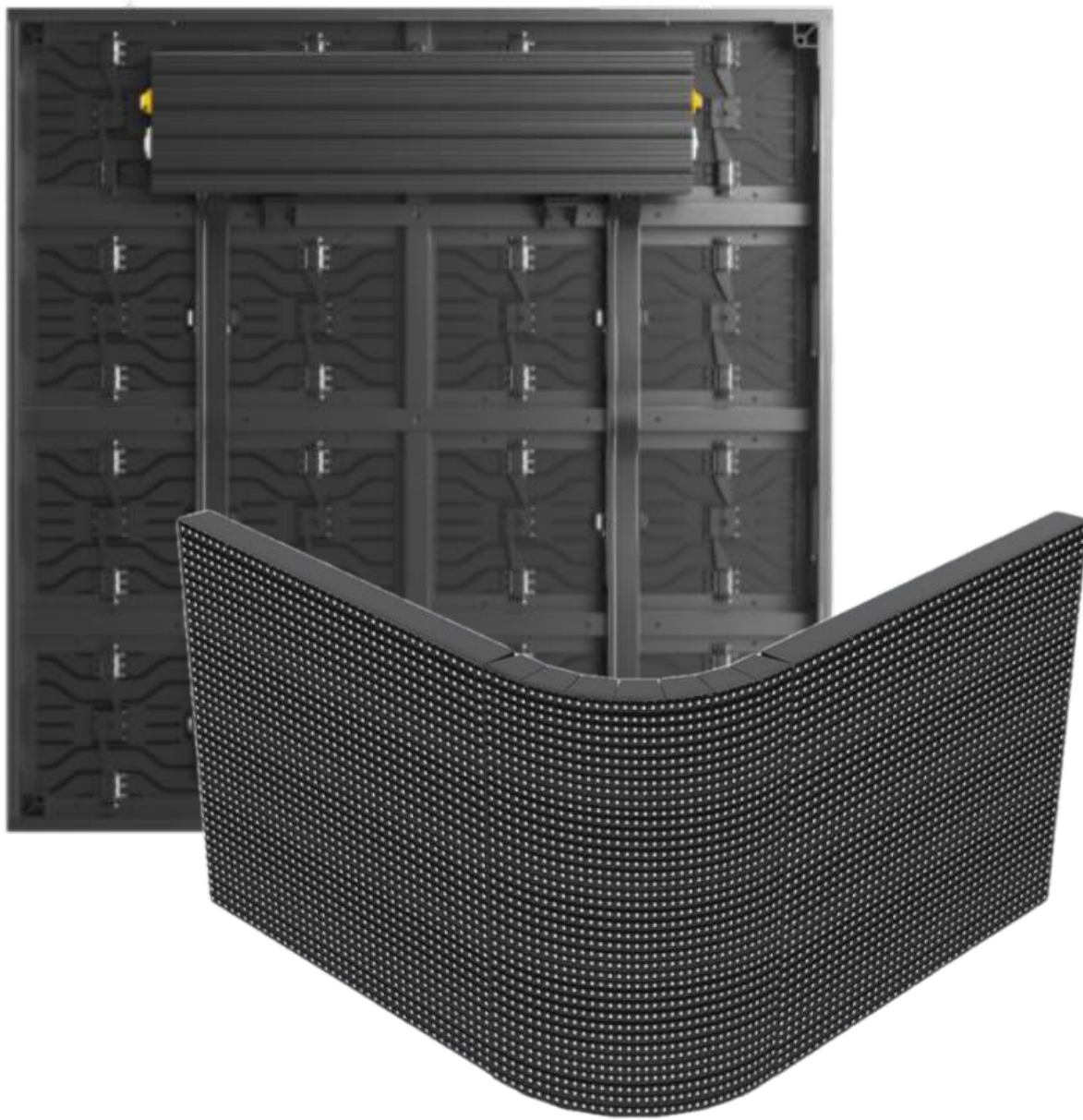
HAIKOTO





Special Corner AR Module Design for Seamless 3D Solution

- Module Size: 62.5mm x 250mm
 - 6° cut corners on both sides, smallest arc radius $\geq 0.3\text{m}$
 - Seamless and smooth splicing with WPO series
 - Same color with WPO series
- 



Better Product, Wider Perspective

Pixel Pitch: P3.91 / P4.81 / P5.2 / P6.25 / P7.8 / P10.4

AR Module Size: 62.5 x 250mm

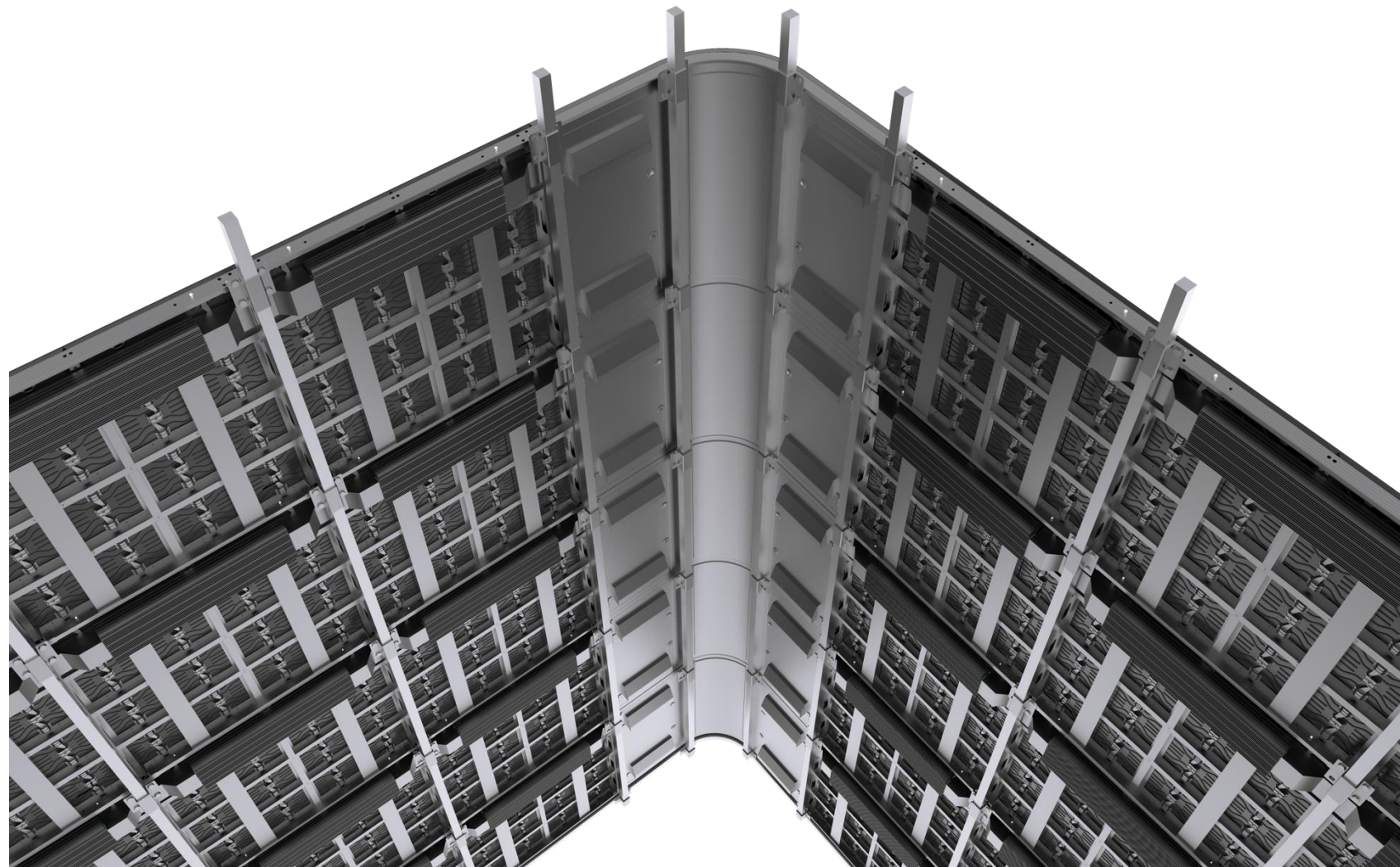
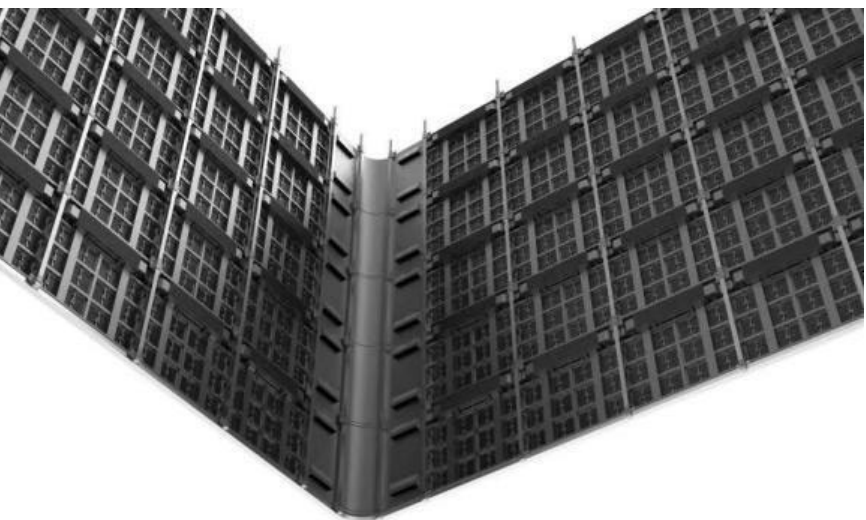
Cabinet Weight: 22.5 kg/m²

Brightness: 5500 - 10000 cd/m²

IP Grade: Front IP 67 / Rear IP 65

Maintenance Method: Front & Rear Dual Service

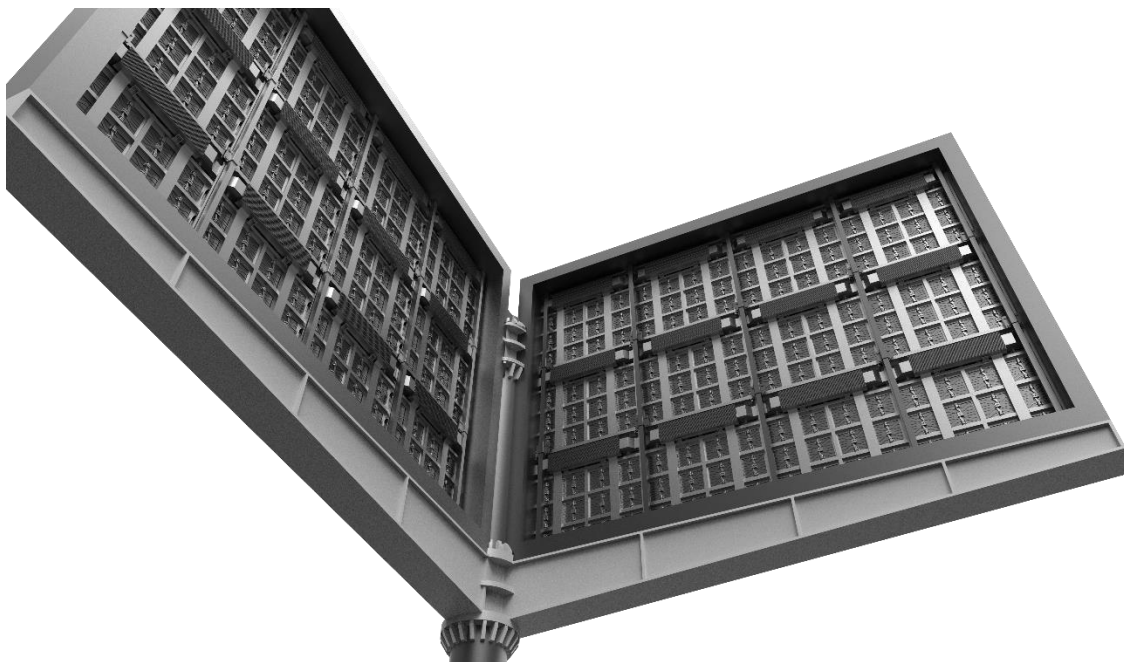
Refresh Rate: ≥ 1920Hz (3840Hz Optional)



AR Installation Diagram

16

Haikoto WPO comparing with public cabinet.



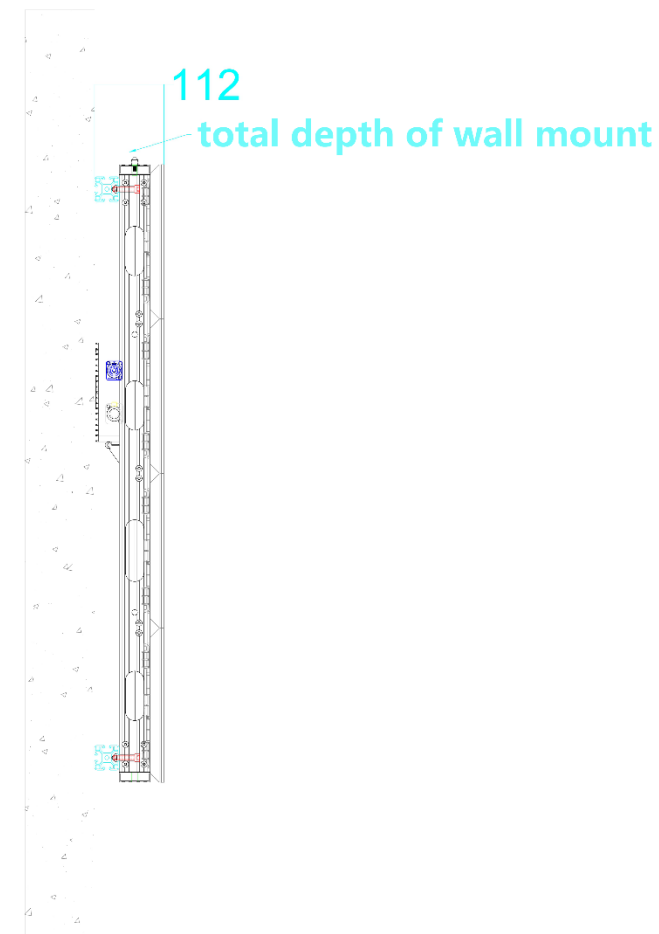
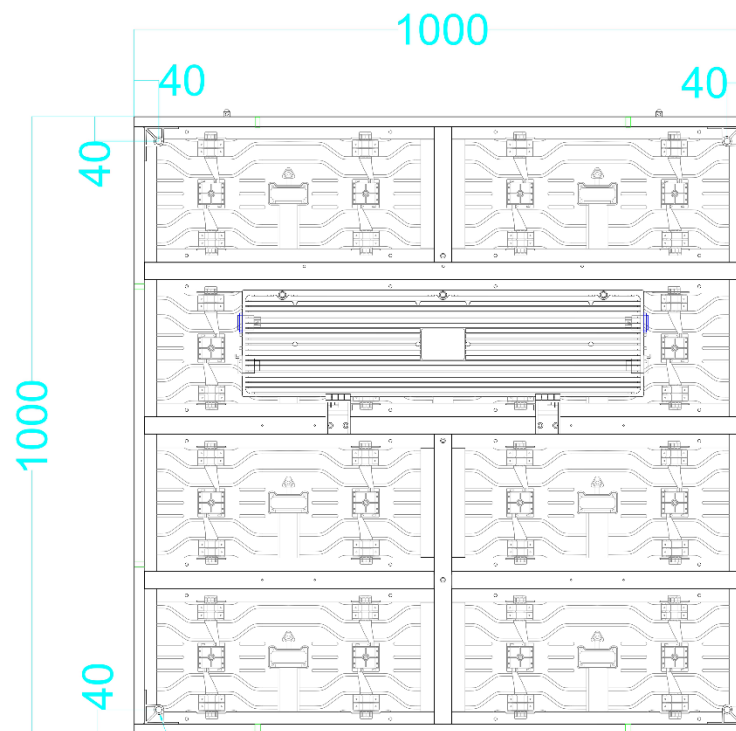
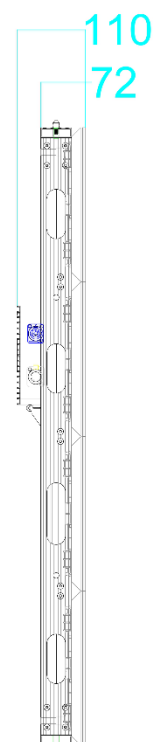
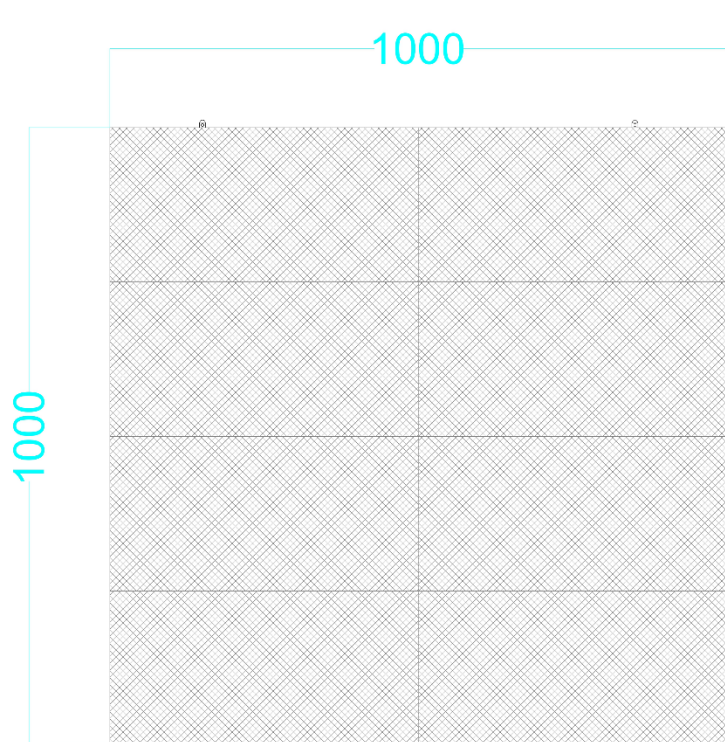
Self Cooling
2.8V & 3.8V
Front & Rear Maintenance
High Contrast Mask



Cooling by Fan
5V
Rear Maintenance Only
Standard Mask

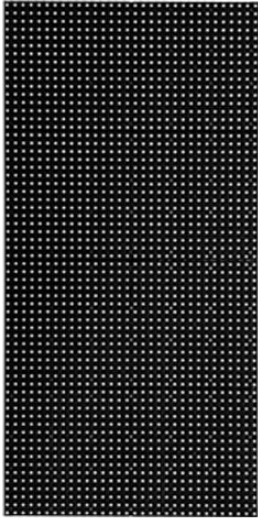
17

WPO panel measurement.

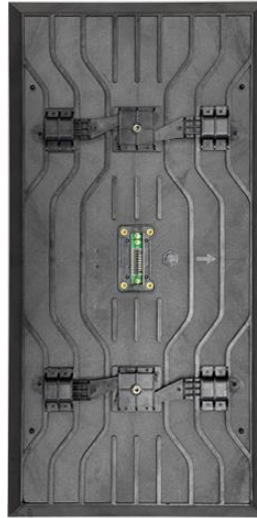


18

WPO real photo details.



High Contrast Mask



Module Back Side



Breath Bot



Module Interface



Inside of Power Box



Cabinet without Cover



Cabinet with Cover



Black Cabinet



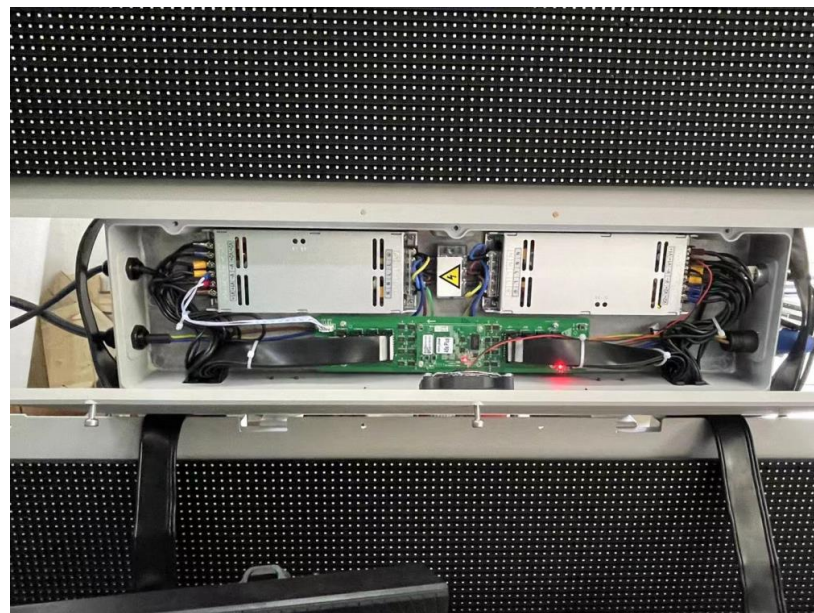
White Cabinet



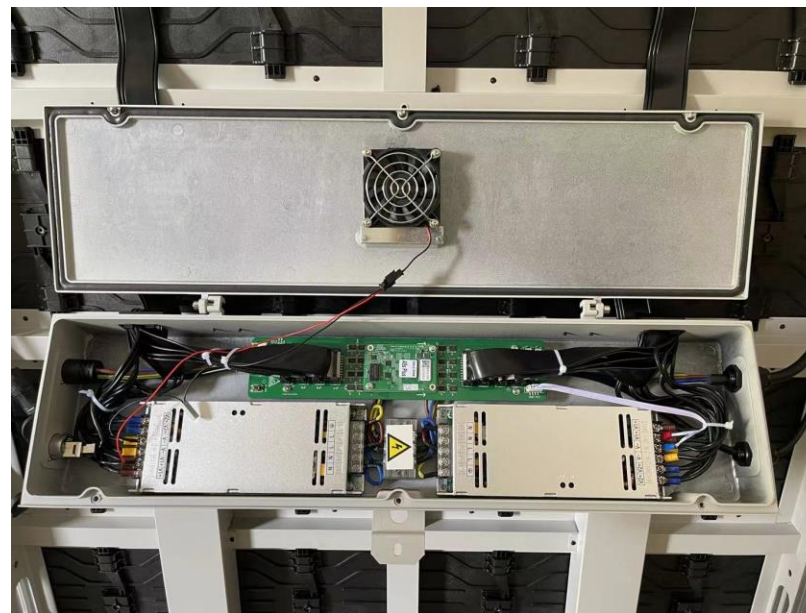
Visible Cabling



Invisible Cabling



Front Maintenance



Back Maintenance



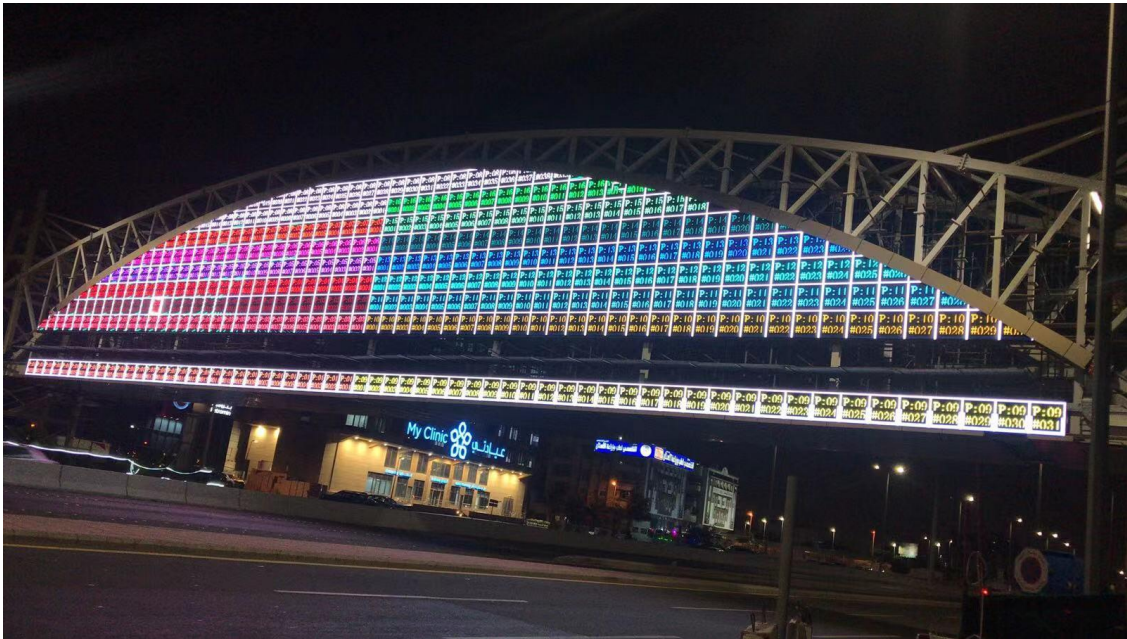
Screw Not-fall Design

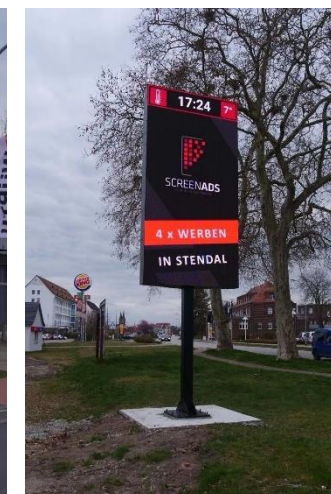
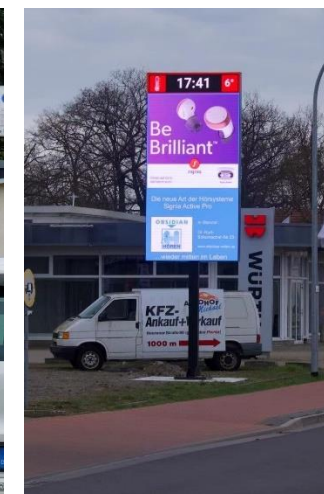


Package 8 in 1



320 Panels / 40HQ





Project Reference 2 : Germany 500 pcs LED billboard using WPO Series nationwide.

Model No.	WPO15.6	WPO10.4	WPO7.8	WPO6.25	WPO5.9	WPO4.8	WPO3.9	WPO2.9		WPO10	WPO8	WPO6	WPO5
Pixel Pitch	15.625mm	10.4mm	7.82mm	6.25mm	5.95mm	4.81mm	3.91mm	2.976mm		10mm	8mm	6.6mm	5.33mm
Pixel Density (dots/m2)	4,096	9,216	16,352	25,600	28,224	43,222	65,410	112,896		10,000	15,625	22,500	35,156
LED Encapsulation	SMD 2727	SMD 2727	SMD 2727	SMD 2727	SMD 2727	SMD 1921	SMD 1921	SMD 1415		SMD 3535	SMD 3535	SMD 2727	SMD 2727
Scan Rate	Static	1/2 scan	1/4 scan	1/5 scan	1/6 scan	1/9 scan	1/8 scan	1/14 scan		1/2 scan	1/4 scan	1/6 scan	1/6 scan
Module Size	500 x 250mm									320 x 320mm			
Module Resolution (dots)	32 x 16	48 x 24	64 x 32	80 x 40	84 x 42	104 x 52	128 x 64	168 x 84		32 x 32	40 x 40	48 x 48	60 x 60
Cabinet Size	1000x1000x73mm(Optional)									960x960x100mm(Optional)			
Cabinet Resolution (dots)	64 x 64	96 x 96	128 x 128	160 x 160	168 x 168	208 x 208	256 x 256	336 x 336		96 x 96	120 x 120	144 x 144	180 x 180
Weight per Cabinet (dots)	22.5kg									24.5kg			
Brightness (cd/m2)	≥ 10000	≥ 7000 (8000-10000)	≥ 7000 (8000-10000)	≥ 6500 (8000-10000)	≥ 6500 (8000-10000)	≥ 5500 (8000-10000)	≥ 5500 (8000-10000)	≥ 4500 (8000-10000)		≥ 6500	≥ 6000	≥ 6000	≥ 5500
Refresh Rate (Hz)	15,360 Hz	15,360 Hz	7,680 Hz	7,680 Hz	7,680 Hz	7,680 Hz	3,840 Hz	3,840 Hz		15,360 Hz	7,680 Hz	7,680 Hz	7,680 Hz
Max. Power Consumption (W/m2)	450	500	500	500	550	800	800	800		450	450	450	500
Ave. Power Consumption (W/m2)	150	175	175	175	185	270	270	270		150	150	150	175
Energy Saving Design	4.0V Low Voltage Design					4.6V / 5V Voltage Design				4.0V Low Voltage Design			
Degree of Protection	Front IP67 / Rear IP65												
Service	Front & Rear Dual Service												
Power Supply	AC 120/240V (50Hz) (optional)												

Thanks

For your attention.