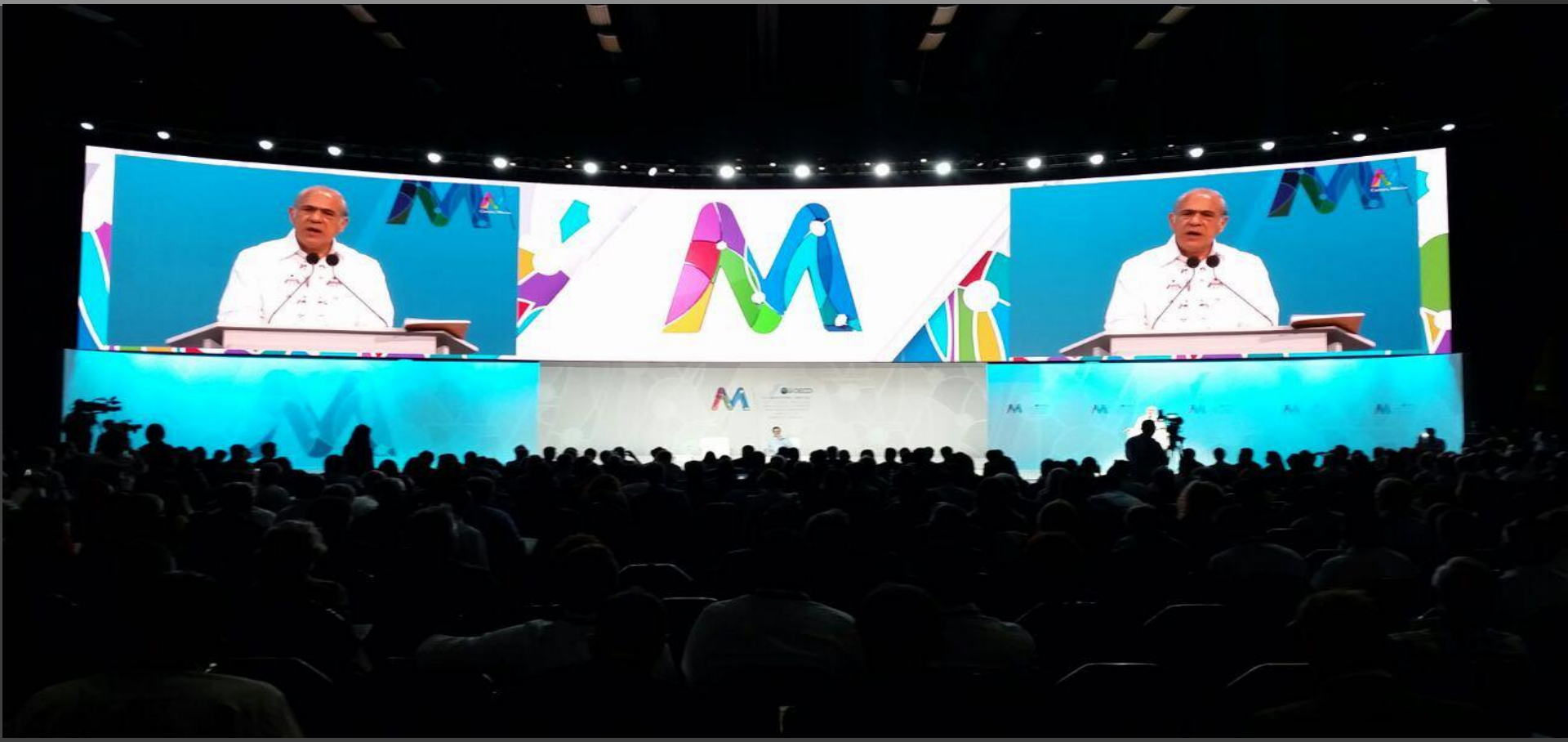
Absen LED

Leading LED Applications

Indoor Products of POLARIS

Assemble Your Task Force

Applications – Conference



Applications – Car Show

Applications – TV Studio

PL2.5 PRO + PL2.9 + PL3.9

Take It Black and Do It Right

The optimal way to configure high performance rental display-perfectly balanced for extreme contrast and high pixel protection

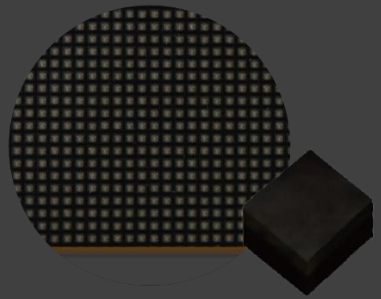
PANEL DESIGN

- Beautifully crafted highly ergonomic design with light weight die-cast aluminum CNC machined chassis, premium grade materials and a high quality durable finish
- Robust, high precision and functional mechanics with integrated easy-lift handling and base pixel protection
- Durable light-excluder system seamlessly integrated at the edge of the chassis to control unwanted light leakage
- Integrated fast lock connector for stacking system attachment
- Front and rear fast service LED modules and power module

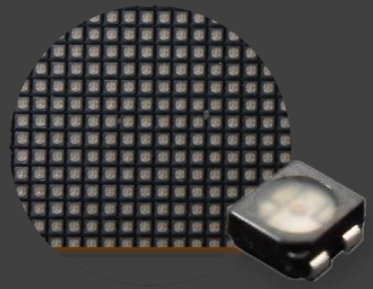
MECHANICAL ALIGNMENT + PRECISION

- Dual die-cast panel chassis and module housing （PL2.5pro with die-cast metal housing）, advanced design, high grade aluminum and magnesium alloys, high precision CNC machining
- Adjustable dual top and side locking systems deliver ultimate user control of mechanical alignment whilst providing a strong inter-panel connection that holds firmly in place
- Integrated positioning pins for precise inter-panel and inter-module alignment control
- 4-point z-axis fine alignment adjustment control of modules

PL2.5pro-Ultra Black Technology



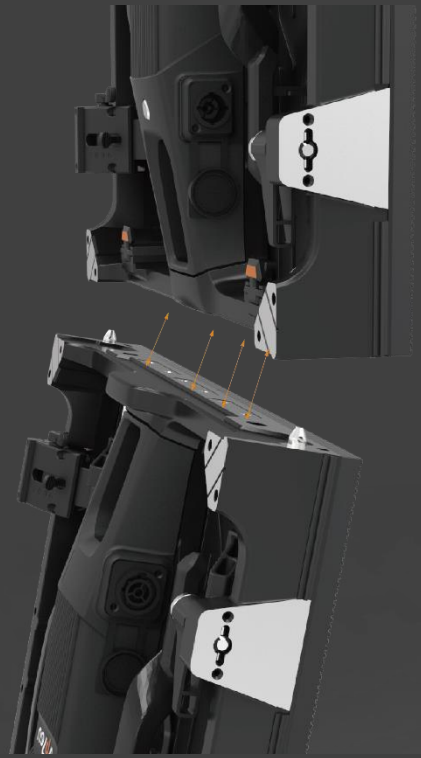
PL2.5Pro SMD 1515



Other SMD 2121

Small sized non-reflection LEDs, combined with matte and super black mask, the PL2.5 Pro has a superior contrast compared to other LED products.

Manufactured by top tier encapsulation companies, the LEDs are providing state of the art performance in terms of uniformity, non-reflection, in both regular and wide viewing angles. The stringently controlled gluing process ensures high level of uniformity on LED surface as well as super wide viewing angle. The high quality epoxy used is the key to deliver a matte surface, which will dramatically reduce reflection even under direct light. The highest standard of aging test has proven a reliable quality and high uniformity over long time of use, with a failure rate of 30PPM only after the extreme test.



Advanced

Auto-Lock and Auto-Eject systems

- Auto-locking Vertical Lock System With Magnetic Auto-connection For Fast and Easy 1 Man Installation With Ultimate Safety And Pixel Protection.
- Auto-ejection Side Lock System Enables Super Fast, East And Convenient Disconnection Of Panels.

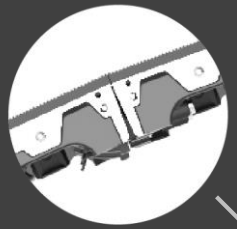
1. Panels will be attached together by magnets automatically
2. Hold the bottom of the Panels upward
3. Pull the knob of top lock system to lock the Panels

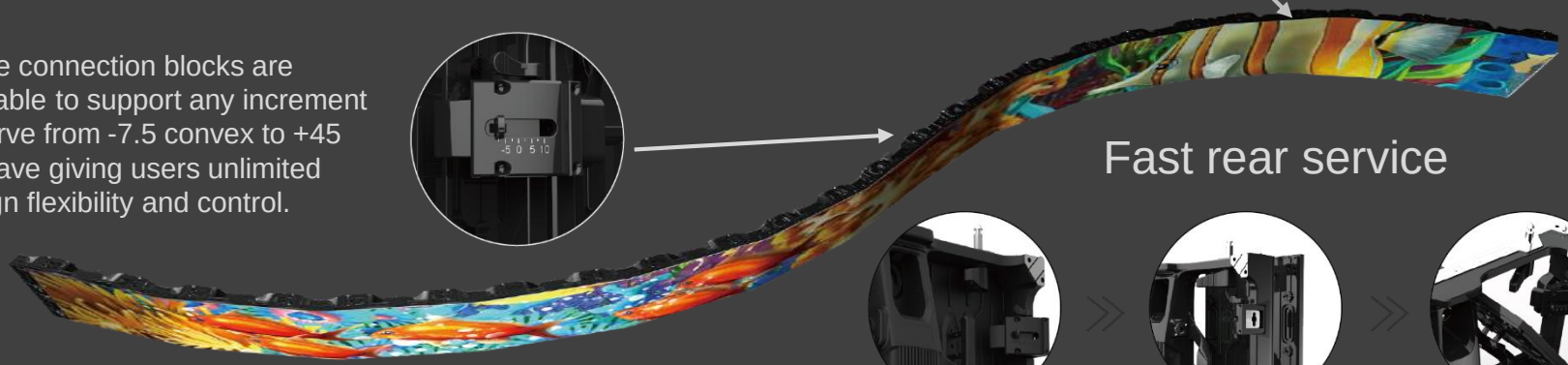
Advanced

Inner and outer curve lock systems

- Innovative integrated repositionable curve connection block system maintains the highest level of alignment accuracy in both flat of curve configuration.

Curve connection blocks are available to support any increment of curve from -7.5 convex to +45 concave giving users unlimited design flexibility and control.





Fast rear service

Pull the Handle

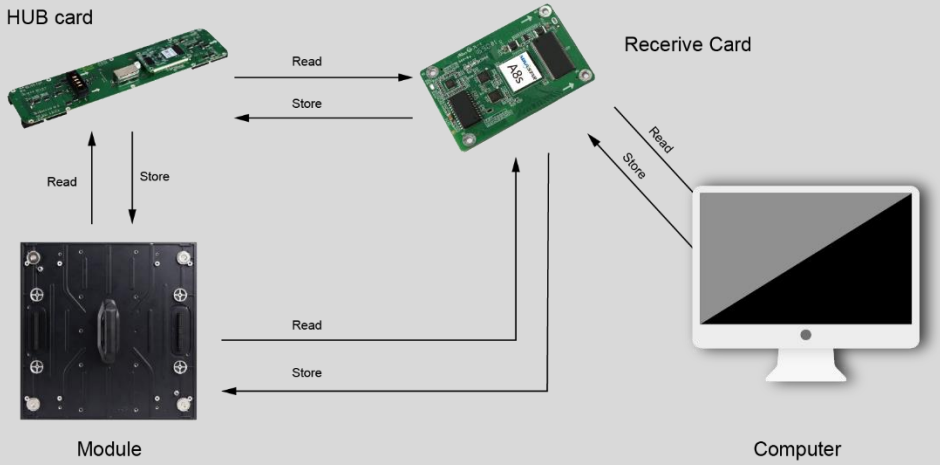
Push-then-Pull Modules

Pull the Module from Rear

Additional benefits

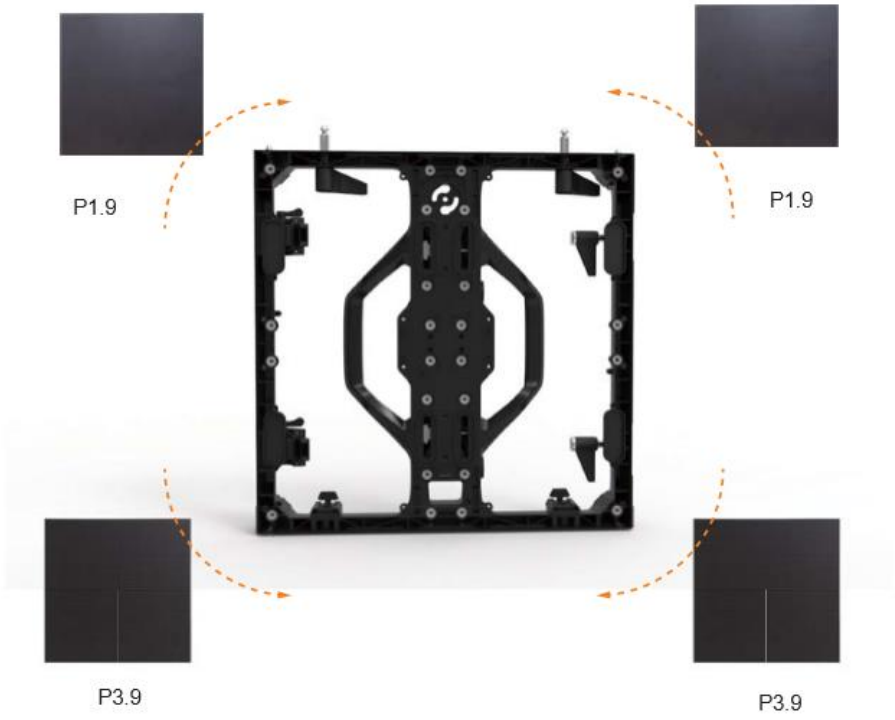
Memory on Module/Hub

Calibration data stored in both module/Hub and receiving card, no need re-calibration after replacement



Processing

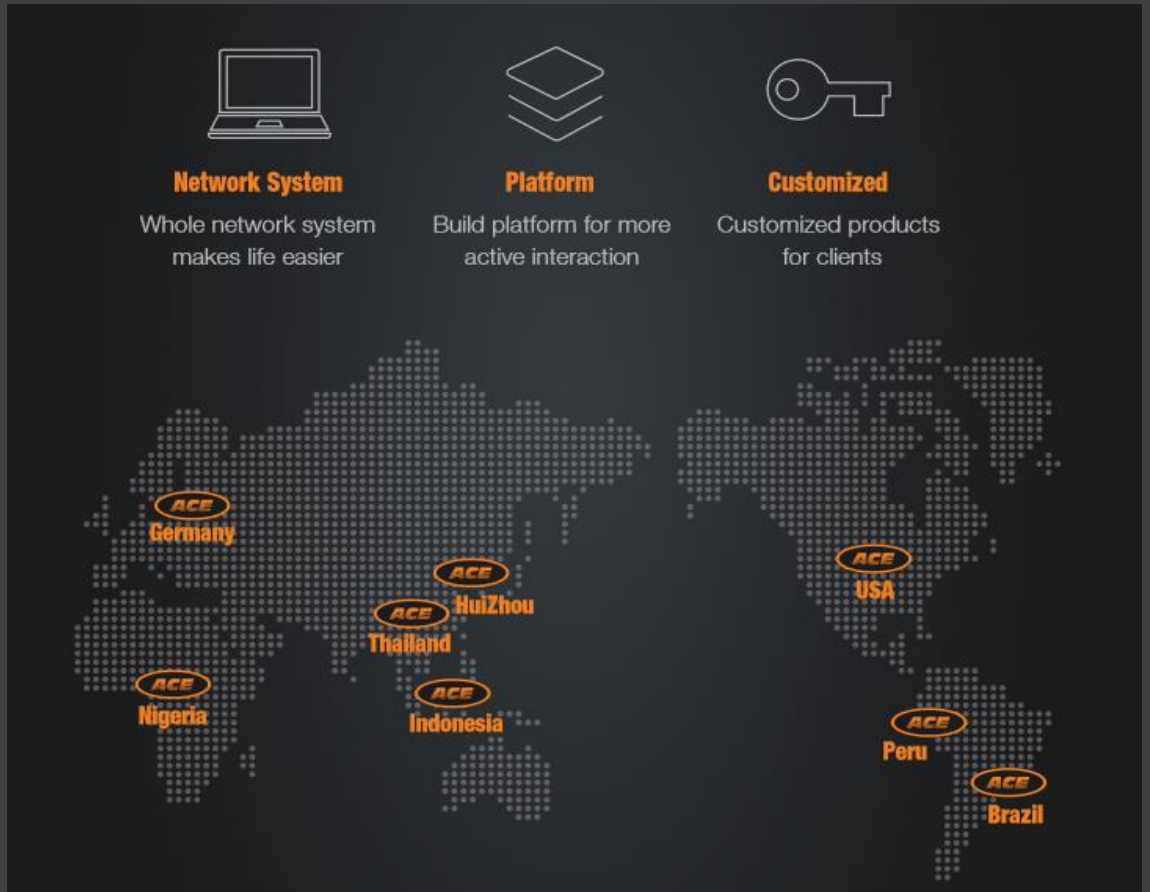
Premium image quality, 4K processing



Advanced

Calibration and uniformity

Refresh rate up to 3840HZ, delivers extraordinary image quality even at 1/3000 high-speed camera, with no flickering, perfectly meet the high demand of switching pictures smoothly at broadcasting.



8+ Overseas Subsidiaries

USA Germany UAE Russia

Mexico Brazil Japan HK

Specification

Parameters	PL2.5 Pro	PL2.9	PL3.9	Unit
Pixel Pitch	2.5	2.97	3.9	Millimeter
Brightness	1200	1000	1000	nit
Panel Dimensions	500*500*87			Millimeter
Panel Material	Die casting Aluminum			—
Panel Weight	9.6	9	9	Kg / Panel
Pixels	SMD 1515	SMD 2121	SMD 2121	—
Module Size	250*250			Millimeter
Panel Resolution	200*200	168*168	128*128	Pixels
Pixel Density	160000	112896	65536	Pixels / sqm
Refresh Rate	3840			Hertz
Grayscale	16384			Grade
Viewing Angle(H/V)	140/140			Degree
Ingress Protection	IP40/IP21			—
Power(max/ ave.)	510/170	450/150	510/170	Watts / sqm
Drive mode	1/20	1/28	1/16	—
Maximum Hanging	20			Panels

THANK YOU !

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