PRM SERIES FRONT ACCESS FINE PITCH LED DISPLAY

PRM SERIES PRM009 / PRM012 / PRM015 / PRM018 / PRM025

THE MOST COST-EFFECTIVE FINE PITCH SOLUTION

PRM Series is the most cost-effective fine pitch solution with the full front access functionality. By utilizing Pyrotech's many years' experience of Direct view LED solutions and adopting the minimalism concept, PRM series achieves the high quality visual performance at a relatively low cost. The appearance of the PRM series is carefully designed. The key components are well integrated into the compact shape while the heat dissipation is guaranteed. A function diagnostic button and status indicators could also be found on the panel. PRM series has the realize signal loop backup feature in default, and power backup is optional.

KEY FEATURES

HDR — HDR Ready

16:9 Aspect Ratio

Generic Cables

Status Diagnostic

Full Front Access

Floating Connector

Quick Installation

XYZ — 6-axis Alignment

Easy Maintenance

TECHNOLOGY ADVANTAGES

Generic Cables

> Concise appearance, off the shelf power and signal, ensuring the stable and reliable quality at a very low cost;

> Cables between cabinets are connected inside, without adding up extra space.
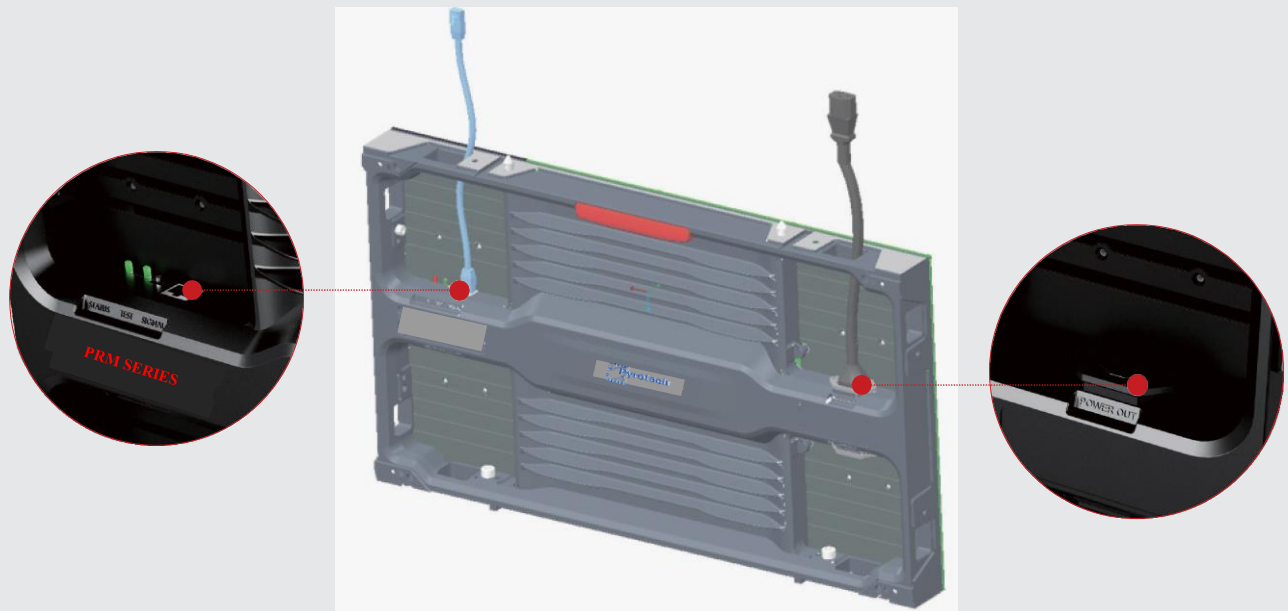
Floating Connector

> Allowed position tolerance;
> Resistant to torsion and shock;
> Reduces stress on solder feet during fitting.
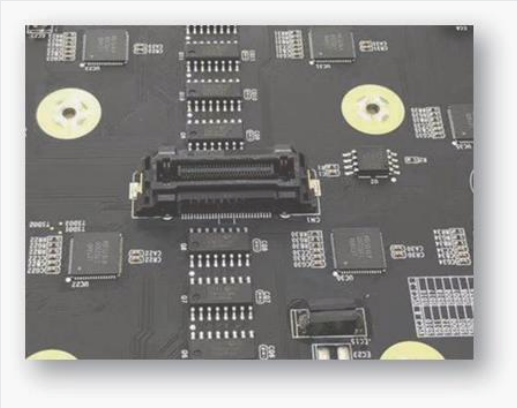
Chimeric Correction

Z=0~1.4mm

X=±0.5mm

Y=±0.5mm
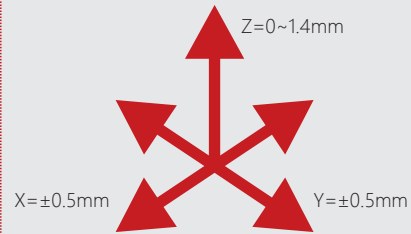
Front / Rear Installation

> Completely front disassembly;
> Only need to remove two LED modules for easy maintenance.
>

Easier rear installation.
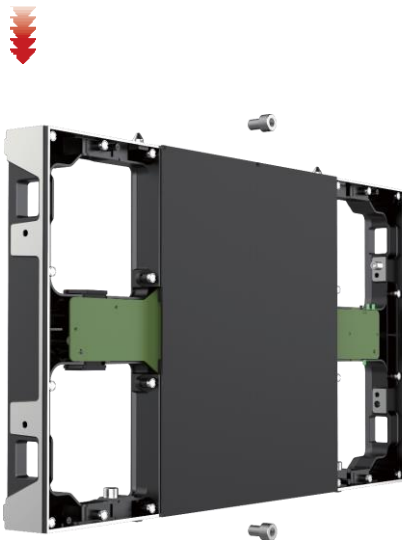
XYZ

6-axis Alignment

> Module can be easily adjusted in Z-direction, and flatness can be optimized again.
> A uniform tool can be used for X/Y/Z 6-axis adjustment between cabinets.

Z-direction
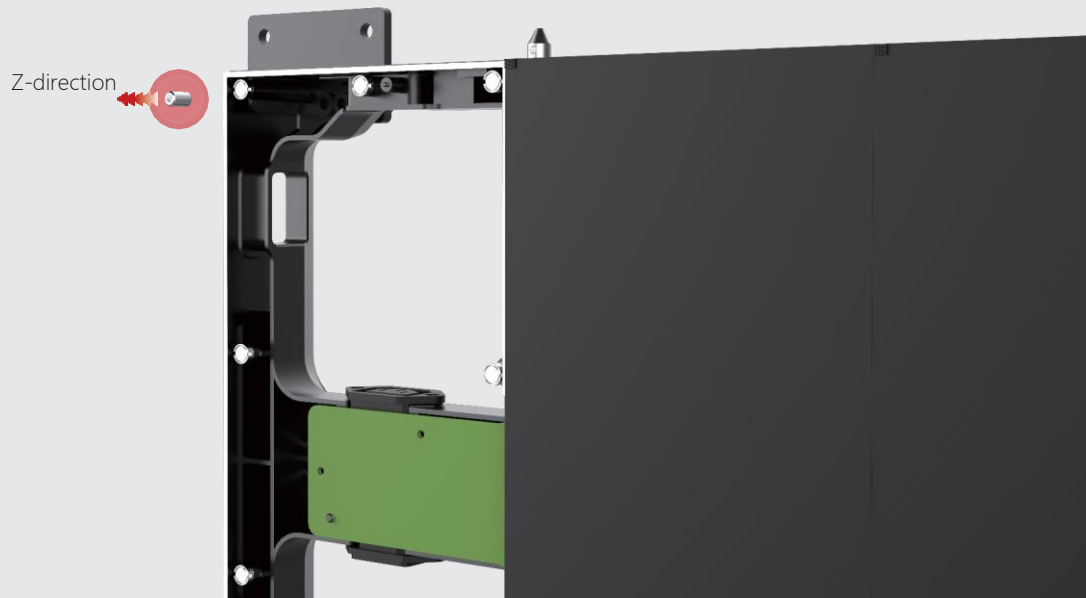
High Dynamic Range(Optional)

HDR

Support HDR function to meet more display requirements.

HDR

SDR

Status Diagnostic

Status indicators and button are in the main frame of the cabinet structure, and can be accessed from both front and back.

Aluminum Alloy Cabinet

> Aluminum alloy cabinet with high rigidity and high splicing accuracy;
> Magnetic and vacuum tools are optional for maintenance.

SPECIFICATION

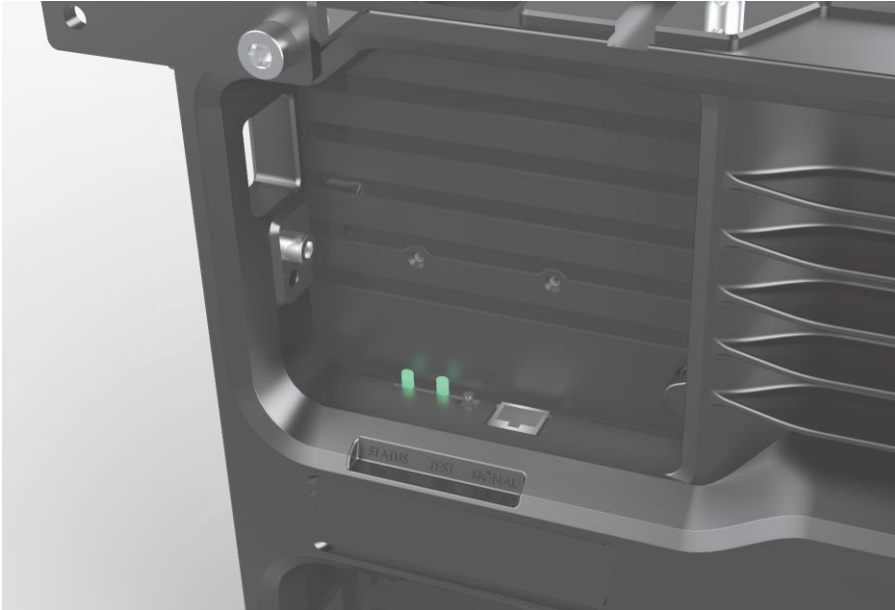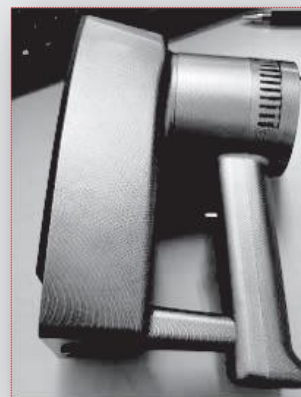| Item	PRM009	PRM012	PRM012	PRM015	PRM015	PRM018	PRM025
LED Configuration	SMD	SMD	SMD	SMD	SMD	SMD	SMD
Pixel Pitch (mm)	0.9375	1.25	1.25	1.5625	1.5625	1.875	2.5
Module Resolution W x H)	160x360	120x270	120x270	96x216	96x216	80x180	60x135
Module Dimension (W x H, mm)	150x337.5	150x337.5	150x337.5	150x337.5	150x337.5	150x337.5	150x337.5
Module Composition (W x H)	4x1	4x1	4x1	4x1	4x1	4x1	4x1
Cabinet Resolution (W x H)	640 x 360	480 x 270	480 x 270	384 x 216	384 x 216	320 x 180	240 x 135
Cabinet Dimension (W x H x D, mm)	600 x 337.5 x 53						
Cabinet Area (㎡)	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025	0.2025
Weight (kg/cabinet; kg/㎡)	6; 30	6; 30	6; 30	6; 30	6; 30	6; 30	6; 30
Pixel Density (Point/㎡)	1137777	640000	640000	409600	409600	284444	160000
Flatness(mm)	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1
IP Level	IP30	IP30	IP30	IP30	IP30	IP30	IP30
Brightness (nits)	600~800	600~800	600~800	600~800	600~800	600~800	600~800
Color Temperature (K°)	3000~10000						
Viewing Angle (H°/ V°)	160/140	160/140	160/140	160/140	160/140	160/140	160/140
Deviation of LED luminance Center	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Brightness Uniformity	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%
Contrast Ratio	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1
Power Consumption (max; avg)/㎡	500W; 167W	500W; 167W	500W; 167W	500W; 167W	500W; 167W	500W; 167W	500W; 167W
Refresh Rate @60Hz	≥3840						
Input Voltage(V)	AC100~240V（50-60Hz）						
Installation	Front / Rear						
Drive Mode	Common anode	Common anode	Common cathode PWM	Common anode	Common cathode PWM	Common anode	Common anode
Frame rate Processing (Hz)	50&60	50&60	50&60	50&60	50&60	50&60	50&60
Lifetime (Hrs.)	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Operating Temperature（℃）	-20—40	-20—40	-20—40	-20—40	-20—40	-20—40	-20—40
Storage Temperature（℃）	-30—60	-30—60	-20—60	-30—60	-20—60	-30—60	-30—60
Operating Humidity (RH）	10~90% no condensation						
Storage Humidity (RH）	10~80% no condensation						

Remark: Above data is subject to change without prior notice