pixelplus™

Xcell-i v3

Cost effective fine pitch LED display for indoor installation applications.

Our Pixel Plus Xcell-i v3 panel is tailored made for indoor retail, corporate and house of worship installation applications in a compact, light, portable and multi-purpose cabinet, allowing easy assembly and multiple mounting modes.

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GROUP
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XCELL-i V3

Key Features

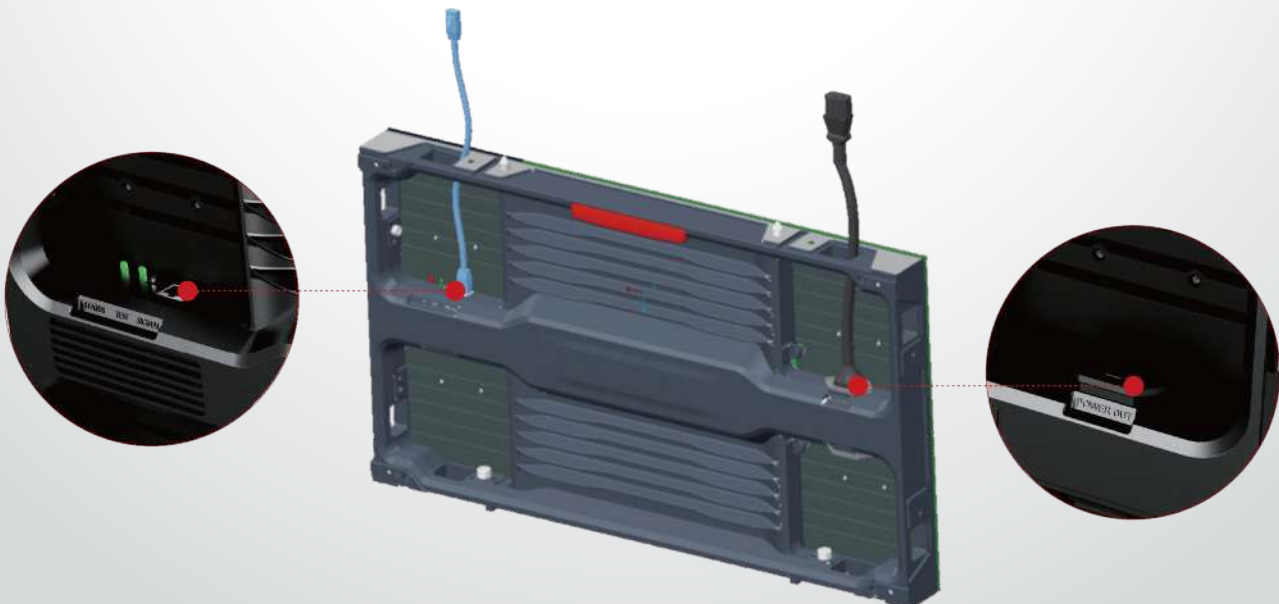|		
HDR HDR Ready	16:9 Aspect Ratio	Generic Cables
Status Dianostic	Front/Rear Access	Floating Connector
Quick Installation	**XYZ** 6-axis Alignment	Easy Maintenance

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.

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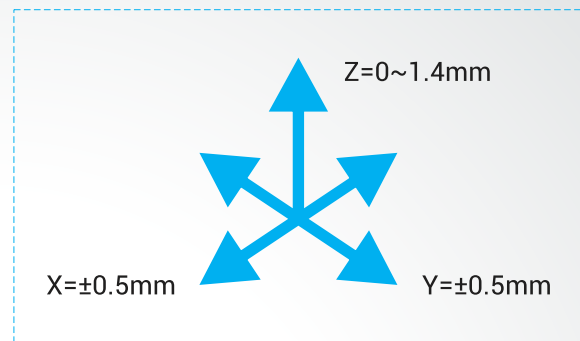
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Floating Connector

• Allowed position tolerance.

• Resistant to torsion and shock.

• Reduces stress on solder feet during fitting.
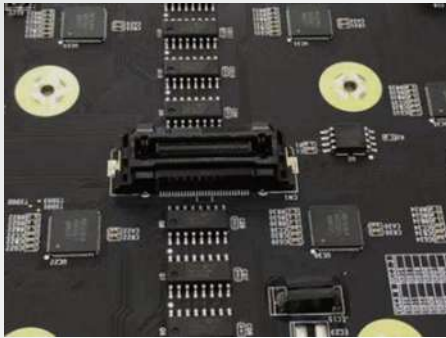
Chimeric Correction

Z=0~1.4mm

X=±0.5mm   Y=±0.5mm

Front / Rear Installation

• Completely front disassembly or rear disassembly.

• Only need to remove two LED modules for easy maintenance.

• Easier rear installation.

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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.
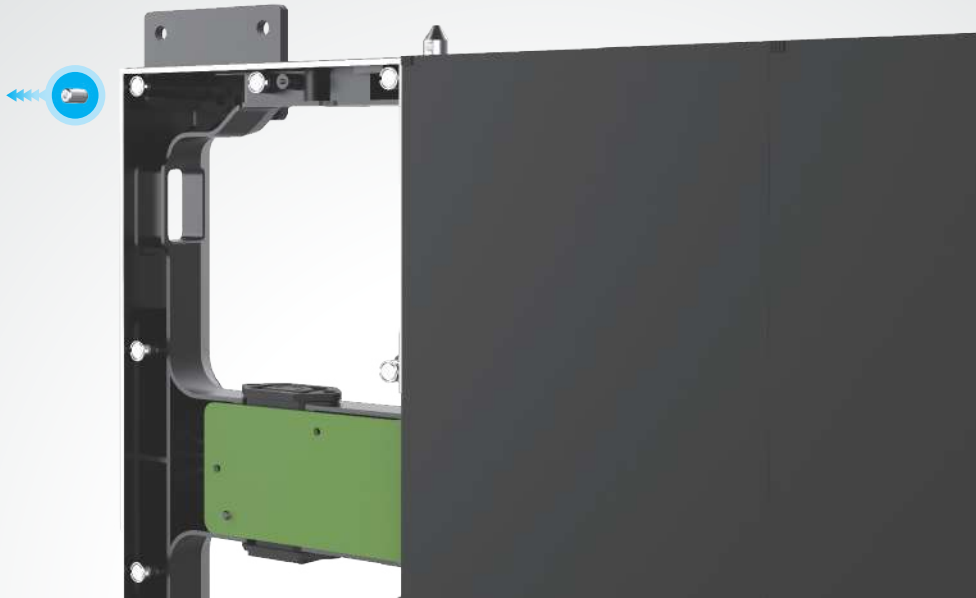
HDR High Dynamic Range (Optional)

• Support HDR function to meet more display requirements.

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Status Diagnostic

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

Aluminium Alloy Cabinet

• Aluminium alloy cabinet with high rigidity and high splicing accuracy.
• Magnetic and vacuum tools are options for maintenance.

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Customizable Right-angle Splicing

Customizable Concave Splicing

• Angle between modules 0~4.5º
• Max angle between cabinets 18º

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Applications

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Specifications

Pitch	1.25mm	1.56mm	1.87mm	2.5mm
LED Type	SMD	SMD	SMD	SMD
Module Resolution (W x H)	120x270	96 x 216	80 x 180	60 x 135
Module Dimensions (W x H)	150 x 337.5mm	150 x 337.5mm	150 x 337.5mm	150 x 337.5mm
Module Composition (W x H)	4x1	4x1	4x1	4x1
Cabinet Resolution (W x H)	480x270	384 x 216	320 x 180	240 x 135
Cabinet Dimensions (W x H x D)	600 x 337.5 x 53 (Front Access), 500 x 337.5 x 64 (Front & Rear Access)			
Cabinet Area (m²)	0.2025	0.2025	0.2025	0.2025
Weight (kg/cabinet; kg/m²)	6; 30 (Front Access), 7; 35 (Front & Rear Acess)			
Pixel Density (point/m²)	640000	409600	284444	160000
Flatness (mm)	≤0.1	≤0.1	≤0.1	≤0.1
IP Level	IP30	IP30	IP30	IP30
Brightness (nits)	600-800	600-800	600-800	600-800
Colour Temperature	3000 - 10000			
Viewing Angle (H/V)	160/140º	160/140º	160/140º	160/140º
Deviation of LED Luminance Centre	<3%	<3%	<3%	<3%
Brightness Uniformity	≥98%	≥98%	≥98%	≥98%
Contrast Ratio	5000:1	5000:1	5000:1	5000:1
Power Consumption (max; avg)/m²	500W; 167W	500W; 167W	500W; 167W	500W; 167W
Chromaticity Uniformity (after correction)	± 0.003Cx,Cy within			
Input Voltage (V)	AC100-240V (50-60Hz)			
Installation	Front / Rear			
Drive Mode	Common anode (Common cathode PWN (optional)	Common anode (Common cathode PWN (optional)	Common anode	Common anode
Refresh Rate @60Hz	≥ 3840	≥ 3840	≥ 3840	≥ 3840
Frame Rate Processing (Hz)	50 & 60	50 & 60	50 & 60	50 & 60
Lifetime (Hrs)	100,000	100,000	100,000	100,000
Operating Temperature (ºC)	-20-40	-20-40	-20-40	-20-40
Storage Temperature (ºC)	-30-60	-30-60	-30-60	-30-60
Operating Humidity (RH)	10~90% no condensation			
Storage Humidity (RH)	10~80% no condensation			