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ZDHT 中电恒泰

ZDHT AI Dynamic Screen

Multi-dimensional intelligent mobile cube display system

Pioneer in Global Digital Creative Kinetic LED Displays
Experts in integrated solutions for multimedia art installations

深圳中电恒泰智能系统有限公司
Shenzhen ZDHT Intelligent System Co., Ltd.

Kinetic Diamond Rotating screen



Product introduction

This product adopts an industry-leading layered modular structure, which is composed of multiple independent rotating units stacked together. Each unit is an independent module that supports single-piece disassembly and independent maintenance. It can be quickly replaced or repaired without dismantling the entire machine, significantly reducing later operation and maintenance costs.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition



Commercial Spaces

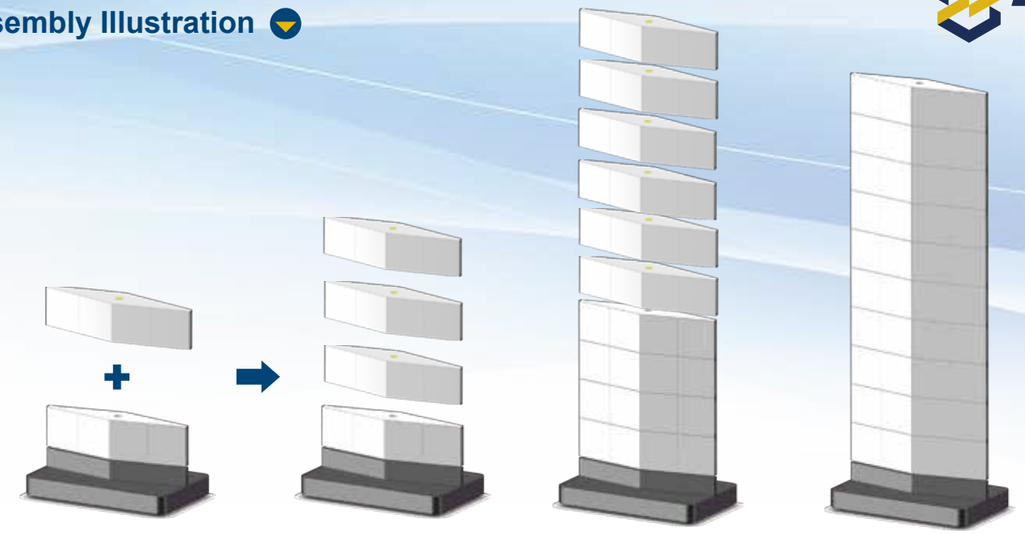


Restaurant



Museum

Assembly Illustration



Technical parameters

Item	Name	Specifications/Functions
LED Module Specification	Pixel Pitch	Indoor P1.94 LED Screen
	Dimension(L*W*T)	248.4*248.4*7.2mm
	Pixel Configuration	1R1G1B
	LED Package	SMD1515
	Driving Mode	1/32 Constant-current Driving
	Module Resolution	128×128
	Brightness	≥600cd/ m^2
	Refresh Rate	≥3840hz
	Connection Type	Hard Connection
	Service Life	≥100 000 hours
Display & Outer Dimension	Display Layers	Layer-modular structure,1-10 layers {N=number of layers}
	Display Columns	Multi-column splicing for simultaneous display
	Overall Shape Size	Base (L*W*H): 986*604*260mm;Cabinet(L*W*H): 983*206*252mm Gap between layers≈2mm
	Equipment Height	Base height 270mm+{N*254mm}; 10 layers(with base): 2810mm
	Display Surfaces	Single-sided/Double-sided display (For single-sided version: Mirror panel on the back side)
	Single-layer Display Size	Single-sided: 993.6*248.4mm;Double-sided: 1987.2*248.4mm
	Total Display Area	Single-sided: 993.6*{N*248.4mm};10 layer with single-sided: 993.6*2484mm Double-sided: 1987.2*{N*248.4mm};10 layer with double-sided: 1987.2*2484mm
	Total Resolution	Single-sided: 512*{N*128};10 layer with single-sided: 512*1280 Double-sided: 1024*{N*128};10 layer with double-sided: 1024*1280
	Net Weight	Single layer≈19KG, Base≈99KG; Product net weight: N*19+99KG; 10 layers(with base): 10*19+99=289KG
	Gross Weight	Gross weight for 10-layer(with base)≈397KG
Control & Script	Display Feature	360° unlimited continuous rotation
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software be adjusted via software
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 8 RPM (revolutions/minute)
	Control Method	CAN-bus protocol based, network control
	Video-script Binding	Each script can correspond to one video
	Multi-script Support	Multiple videos can be matched with multiple scripts
	Calling Protocol	External UDP calling protocol is available
	Auto-recovery Function	Software supports automatic error detection and error clearing
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)
	Peak Power	0.35KW/layer;Peak power: {N}*0.35KW; Peak power for 10-layer: 3.5KW
	Network Interface	CAT6
	Installation	The base and fixed layer are pre-assembled together at factory. The layered-modular cabinets can be stacked and locked layer by layer according to the instruction manual

Kinetic DNA Rotating Screen (750-250)



Product introduction

This product features an industry-leading layered modular structure, consisting of multiple independent rotating units stacked together. It supports single-sided or double-sided HD display, flexible for different presentation needs. The screen rotates smoothly 360 degrees around the vertical axis, with brief pauses at specific angles to showcase content details.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition



Metro station



Exhibition Hall



Hotel

Assembly Illustration



Technical parameters

Item	Name	Specifications/Functions
		Rotating screen(750*250)
LED Module Specification	Pixel Pitch	Indoor P1.953 LED screen (P1.56 / P2.6 optional)
	Dimension(L*W*T)	250*250*5.5mm Customized module
	Pixel Configuration	1R1G1B
	LED Package	SMD1515
	Driving Mode	1/32 constant-current drive
	Module Resolution	128*128
	Brightness	≥600cd/ m^2
	Refresh Rate	≥3840hz
	Connection Type	Flexible connection
	Service Life	≥100 000 hours
Display & Outer Dimension	Display Layers	Layered modular structure; 1~10 layers {N=The number of layers}
	Display Columns	Multi-column splicing for simultaneous display
	Overall Shape Size	Base (L*W*H): 754*500*220mm Cabinet(L*W*H): 754*138*252mm Gap between layers≈2mm
	Equipment Height	Base height 230mm+{N*254mm}; 10 layers(with base): 2770mm
	Display Surfaces	Single-sided/Double-sided display (For single-sided version: Mirror panel on the back side)
	Single-layer Display Size	Single-sided: 750*250mm Double-sided: 1500*250mm
	Total Display Area	Single-sided: 750*{N*250mm};10 layer with single-sided: 750*2500mm Double-sided: 1500*{N*250mm};10 layer with double-sided: 1500*2500mm
	Total Resolution	Single-sided: 384*{N*128};10 layer with single-sided: 384*1280 Double-sided: 768*{N*128};10 layer with double-sided: 768*1280
	Net Weight	Single layer≈19KG, Base≈60KG; Product net weight: N*19+60KG; 10 layers(with base): 10*19+60=250KG
	Gross Weight	Gross weight for 10-layer(with base)≈345KG
Control & Script	Display Feature	360° unlimited continuous rotation
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 8 RPM (revolutions/minute)
	Control Method	CAN-bus protocol based, network control
	Video-script Binding	Each script can correspond to one video
	Multi-script Support	Multiple videos can be matched with multiple scripts
	Calling Protocol	External UDP calling protocol is available
	Auto-recovery Function	Software supports automatic error detection and error clearing
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)
	Peak Power	0.35KW/layer; Peak power: {N}*0.35KW;Peak power for 10-layer: 3.5KW
	Network Interface	CAT6
	Installation	The base and fixed layer are pre-assembled together at factory. The layered-modular cabinets can be stacked and locked layer by layer according to the instruction manual

Kinetic DNA Rotating Screen (320 Series)

Technical parameters

Item	Name	Specifications/Functions	
		Rotating screen(480*320)	Rotating screen(640*320)
LED Module Specification	Pixel Pitch	Indoor P2 LED screen (P1.53 / P1.86 / P2 optional)	
	Dimension(L*W*T)	320*160*16.3mm Standard module	
	Pixel Configuration	1R1G1B	
	LED Package	SMD1515	
	Driving Mode	1/40 constant-current drive	
	Module Resolution	160*80	
	Brightness	≥600cd/ ㎡	
	Refresh Rate	≥3840hz	
	Connection Type	Flexible connection	
	Service Life	≥100 000 hours	
Display & Outer Dimension	Display Layers	Layered modular structure; 1~8 layers {N=The number of layers}	
	Display Columns	Multi-column splicing for simultaneous display	
	Overall Shape Size	Base (L*W*H): 483.5*483.5*220mm Cabinet(L*W*H): 483.5*160*323.5mm Gap between layers≈2mm	Base (L*W*H): 643.5*500*220mm Cabinet(L*W*H): 643.5*160*323.5mm Gap between layers≈2mm
	Equipment Height	Base height 230mm+{N*325.5mm}; 8 layers(with base): 2834mm	Base height 230mm+{N*325.5mm}; 8(with base)layers: 2834mm
	Display Surfaces	Single-sided/Double-sided display (For single-sided version: Mirror panel on the back side)	
	Single-layer Display Size	Single-sided: 480*320mm Double-sided: 960*320mm	Single-sided: 640*320mm Double-sided: 1280*320mm
	Total Display Area	Single-sided: 480*{N*320mm}; 8 layer with single-sided: 480*2560mm Double-sided: 960*{N*320mm}; 8 layer with double-sided: 960*2560mm	Single-sided: 640*{N*320mm}; 8 layer with single-sided: 640*2560mm Double-sided: 1280*{N*320mm}; 8 layer with double-sided: 1280*2560mm
	Total Resolution	Single-sided: 240*{N*160}; 8 layer with single-sided: 240*1280 Double-sided: 480*{N*160}; 8 layer with double-sided: 480*1280	Single-sided: 320*{N*160}; 8 layer with single-sided: 320*1280 Double-sided: 640*{N*160}; 8 layer with double-sided: 640*1280
	Net Weight	Single layer≈20KG, Base≈60KG; Product net weight: N*20+60KG; 8 layers: 8*20+60=220KG	Single layer≈22KG, Base≈70KG; Product net weight: N*22+70KG; 8 layers: 8*22+70=246KG
	Gross Weight	8 layers≈300KG	8 layers≈328KG
Control & Script	Display Feature	360° unlimited continuous rotation	
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software	
	Running Speed	The operating speed can be adjusted via the control program. Default speed: 8 RPM (revolutions/minute)	
	Control Method	CAN-bus protocol based, network control	
	Video-script Binding	Each script can correspond to one video	
	Multi-script Support	Multiple videos can be matched with multiple scripts	
	Calling Protocol	External UDP calling protocol is available	
	Auto-recovery Function	Software supports automatic error detection and error clearing	
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)	
	Peak Power	0.35KW/layer; Peak power: {N}*0.35KW; Peak power for 8-layer:2.8KW	
	Network Interface	CAT6	
	Installation	The base and fixed layer are pre-assembled together at factory. The layered-modular cabinets can be stacked and locked layer by layer according to the instruction manual	

Item	Name	Specifications/Functions	
		Rotating screen(800*320)	Rotating screen(960*320)
LED Module Specification	Pixel Pitch	Indoor P2 LED screen (P1.53 / P1.86 / P2 optional)	
	Dimension(L*W*T)	320*160*16.3 mm Standard module	
	Pixel Configuration	1R1G1B	
	LED Package	SMD1515	
	Driving Mode	1/40 constant-current drive	
	Module Resolution	160*80	
	Brightness	≥600cd/ ㎡	
	Refresh Rate	≥3840hz	
	Connection Type	Flexible connection	
	Service Life	≥100 000 hours	
Display & Outer Dimension	Display Layers	Layered modular structure; 1~10 layers {N=The number of layers}	
	Display Columns	Multi-column splicing for simultaneous display	
	Overall Shape Size	Base (L*W*H): 804*500*220mm Cabinet(L*W*H): 804*160*323.5mm Gap between layers≈2mm	Base (L*W*H): 964*600*220mm Cabinet(L*W*H): 964*160*323.5mm Gap between layers≈2mm
	Equipment Height	Base height 230mm+{N*325.5mm}; 10 layers(with base): 3485mm	Base height 230mm+{N*325.5mm}; 10 layers(with base): 3485mm
	Display Surfaces	Single-sided/Double-sided display (For single-sided version: Mirror panel on the back side)	
	Single-layer Display Size	Single-sided: 800*320mm Double-sided: 1600*320mm	Single-sided: 960*320mm Double-sided: 1920*320mm
	Total Display Area	Single-sided: 800*{N*320mm}; 10 layer with single-sided: 800*3200mm Double-sided: 1600*{N*320mm}; 10 layer with double-sided: 1600*3200mm	Single-sided: 960*{N*320mm}; 10 layer with single-sided: 960*3200mm Double-sided: 1920*{N*320mm}; 10 layer with double-sided: 1920*3200mm
	Total Resolution	Single-sided: 400*{N*160}; 10 layer with single-sided: 400*1600 Double-sided: 800*{N*160}; 10 layer with double-sided: 800*1600	Single-sided: 480*{N*160}; 10 layer with single-sided: 480*1600 Double-sided: 960*{N*160}; 10 layer with double-sided: 960*1600
	Net Weight	Single layer≈24KG, Base≈86KG; Product net weight: N*24+80KG; 10 layers: 10*24+86=326KG	Single layer≈26KG, Base≈99KG; Product net weight: N*26+99KG; 10 layers: 10*26+99=359KG
	Gross Weight	10 layers≈416KG	10 layers≈468KG
Control & Script	Display Feature	360° unlimited continuous rotation	
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software	
	Running Speed	The operating speed can be adjusted via the control program. Default speed: 8 RPM (revolutions/minute)	
	Control Method	CAN-bus protocol based, network control	
	Video-script Binding	Each script can correspond to one video	
	Multi-script Support	Multiple videos can be matched with multiple scripts	
	Calling Protocol	External UDP calling protocol is available	
	Auto-recovery Function	Software supports automatic error detection and error clearing	
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)	
	Peak Power	Single-sided: 0.35KW/layer; Peak power: {N}*0.35KW; 10-layer: 3.5KW Double-sided: 0.55KW/layer; Peak power: {N}*0.55KW; 10-layer: 5.5KW	
	Network Interface	CAT6	
	Installation	The base and fixed layer are pre-assembled together at factory. The layered-modular cabinets can be stacked and locked layer by layer according to the instruction manual	

Kinetic DNA Rotating Screen (Magic Cube Column)

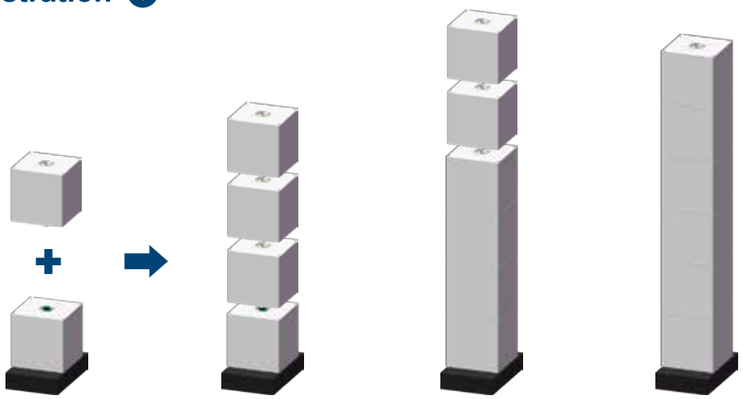


Product introduction

This product features an industry-leading layered modular structure, consisting of multiple independent rotating units stacked together. It supports single-sided, double-sided or four-sided HD display, flexible for different presentation needs. The screen rotates smoothly 360 degrees around the vertical axis, with brief pauses at specific angles to showcase content details.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Assembly Illustration



Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Children's Palace

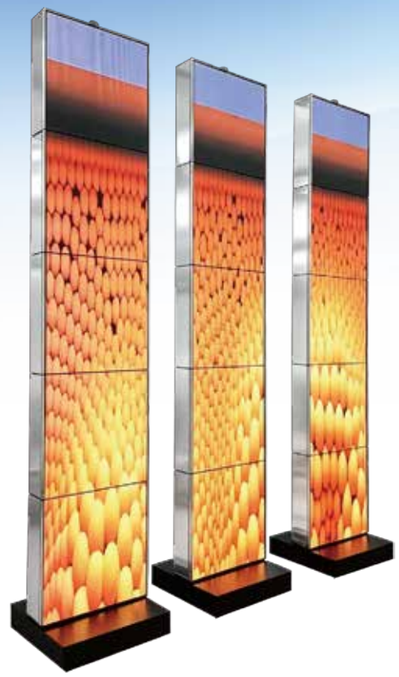


Exhibition Hall

Technical parameters

Item	Name	Specifications/Functions	
		Rotating screen(320*320*320)	Rotating screen(500*500*500)
LED Module Specification	Pixel Pitch	Indoor P2 LED screen (P1.86 / P2 / P2.5 optional)	Indoor P1.953 LED screen (P1.56 / P2.6 optional)
	Dimension(L*W*T)	320*160*16.3mm Standard module	250*250*5.5mm Customized module
	Pixel Configuration	1R1G1B	1R1G1B
	LED Package	SMD1515	SMD1515
	Driving Mode	1/40 constant-current drive	1/32 constant-current drive
	Module Resolution	160*80	128*128
	Brightness	≥600cd/ m^2	≥600cd/ m^2
	Refresh Rate	≥3840hz	≥3840hz
	Connection Type	Flexible connection	Flexible connection
	Service Life	≥100 000 hours	≥100 000 hours
Display & Outer Dimension	Display Layers	Layered modular structure; 1~6 layers {N=The number of layers}	Layered modular structure; 1~5 layers {N=The number of layers}
	Display Columns	Multi-column splicing for simultaneous display	
	Overall Shape Size	Base (L*W*H): 323.5*500*220mm Cabinet(L*W*H): 323.5*323.5*323.5mm Gap between layers≈2mm	Base (L*W*H): 503.5*503.5*220mm Cabinet(L*W*H): 503.5*503.5*503.5mm Gap between layers≈2mm
	Equipment Height	Base height 230mm+{N*325.5mm}; 6 layers(with base): 2183mm	Base height 230mm+{N*505.5mm}; 5 layers(with base): 2758mm
	Display Surfaces	Single-sided/Double-sided display/Four-sided	
	Single-layer Display Size	Single-sided: 320*320mm Double-sided: 640*320mm Four-sided: 1280*320mm	Single-sided: 500*500mm Double-sided: 1000*500mm Four-sided: 2000*500mm
	Total Display Area	Single-sided: 320*{N*320mm}; 6 layer with single-sided: 320*1920mm Double-sided: 640*{N*320mm}; 6 layer with double-sided: 640*1920mm Four-sided: 1280*{N*320mm}; 6 layer with four-sided: 1280*1920mm	Single-sided: 500*{N*500mm}; 5 layer with single-sided: 500*2500mm Double-sided: 1000*{N*500mm}; 5 layer with double-sided: 1000*2500mm Four-sided: 2000*{N*500mm}; 5 layer with four-sided: 2000*2500mm
	Total Resolution	Single-sided: 160*{N*160}; 6 layer with single-sided: 160*960 Double-sided: 320*{N*160}; 6 layer with double-sided: 320*960 Four-sided: 640*{N*160}; 6 layer with four-sided: 640*960	Single-sided: 256*{N*256}; 5 layer with single-sided: 256*1280 Double-sided: 512*{N*256}; 5 layer with double-sided: 512*1280 Four-sided: 1024*{N*256}; 5 layer with four-sided: 1024*1280
	Net Weight	Single layer≈18KG, Base≈34KG; Product net weight: N*18+34KG; 6 layers(with base): 6*18+34=142KG	Single layer≈32KG, Base≈50KG; Product net weight: N*32+50KG; 5 layers(with base): 5*32+50=210KG
	Gross Weight	Gross weight for 6-layer(with base)≈198KG	Gross weight for 5-layer(with base)≈280KG
Control & Script	Display Feature	360°unlimited continuous rotation	
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software	
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 8 RPM (revolutions/minute)	
	Control Method	CAN-bus protocol based, network control	
	Video-script Binding	Each script can correspond to one video	
	Multi-script Support	Multiple videos can be matched with multiple scripts	
	Calling Protocol	External UDP calling protocol is available	
	Auto-recovery Function	Software supports automatic error detection and error clearing	
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)	
	Peak Power	0.35KW/layer(Single/Double-sided); Peak power: {N}*0.35KW; Peak power for 6-layer: 2.1KW 0.45KW/layer(Four-sided); Peak power: {N}*0.45KW; Peak power for 6-layer: 2.7KW	0.45KW/layer(Single/Double-sided); Peak power: {N}*0.45KW; Peak power for 5-layer: 2.25KW 0.75KW/layer(Four-sided); Peak power : {N}*0.75KW; Peak power for 5-layer: 3.75KW
	Network Interface	CAT6	
	Installation	The base and fixed layer are pre-assembled together at factory. The layered-modular cabinets can be stacked and locked layer by layer according to the instruction manual	

Kinetic DNA Rotating Screen (500-500)

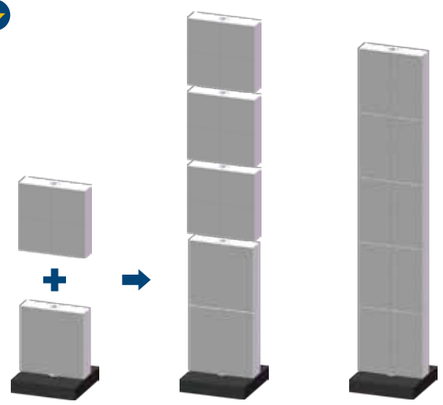


Product introduction

This product features an industry-leading layered modular structure, consisting of multiple independent rotating units stacked together. It supports single-sided or double-sided HD display, flexible for different presentation needs. The screen rotates smoothly 360 degrees around the vertical axis, with brief pauses at specific angles to showcase content details.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Assembly Illustration



Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Coffee shop



Company

Technical parameters

Item	Name	Specifications/Functions	
		Rotating screen(500*500)	Rotating screen (Dual columns with one base 500*500)
LED Module Specification	Pixel Pitch	Indoor P1.953 LED screen (P1.56 / P2.6 optional)	
	Dimension(L*W*T)	250*250*5.5mm Customized module	
	Pixel Configuration	1R1G1B	
	LED Package	SMD1515	
	Driving Mode	1/32 constant-current drive	
	Module Resolution	128*128	
	Brightness	≥600cd/ m^2	
	Refresh Rate	≥3840hz	
	Connection Type	Flexible connection	
	Service Life	≥100 000 hours	
Display & Outer Dimension	Display Layers	Layered modular structure; 1~5 layers {N=The number of layers}	4 layers
	Display Columns	Multi-column splicing for simultaneous display	
	Overall Shape Size	Base (L*W*H): 503.5*503.5*220mm Cabinet(L*W*H): 503.5*137*503.5mm Gap between layers≈2mm	Base (L*W*H): 1027*503.5*220mm Cabinet(L*W*H): 1027*137*503.5mm Gap between layers≈2mm
	Equipment Height	Base height 230mm+{N*505.5mm}; 5 layers(with base): 2758mm	4 layers(with base): 2299mm
	Display Surfaces	Single-sided/Double-sided display (single-sided: Mirror panel on the back side)	Single-sided display (Mirror panel on the back side)
	Single-layer Display Size	Single-sided: 500*500mm Double-sided: 1000*500mm	1000*500mm
	Total Display Area	Single-sided: 500*{N*500mm}; 5 layer with single-sided: 500*2500mm Double-sided: 1000*{N*500mm}; 5 layer with double-sided: 1000*2500mm	1000*2000mm
	Total Resolution	Single-sided: 256*{N*256}; 5 layer with single-sided: 256*1280 Double-sided: 512*{N*256}; 5 layer with double-sided: 512*1280	512*1024
	Net Weight	Single layer≈22.8KG, Base≈50KG; Product net weight: N*22.8+50KG; 5 layers(with base): 5*22.8+50=164KG	Screen body≈183KG, Base≈100KG
	Gross Weight	Gross weight for 5-layer(with base)≈225KG	Gross weight for dual columns 4-layer(with base)≈400KG
Control & Script	Display Feature	360° unlimited continuous rotation	
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software	
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 8 RPM (revolutions/minute)	
	Control Method	CAN-bus protocol based, network control	
	Video-script Binding	Each script can correspond to one video	
	Multi-script Support	Multiple videos can be matched with multiple scripts	
	Calling Protocol	External UDP calling protocol is available	
	Auto-recovery Function	Software supports automatic error detection and error clearing	
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)	
	Peak Power	0.35KW/layer; Peak power: {N}*0.35KW; Peak power for 5-layer: 1.75KW	2.8KW
	Network Interface	CAT6	
	Installation	The base and fixed layer are pre-assembled together at factory. The layered-modular cabinets can be stacked and locked layer by layer according to the instruction manual	

Kinetic Triangular-wing Expandable Screen(800-320)



Product introduction

The triangular wing expansion screen supports multiple dynamic modes. Closed, it forms a 3D triangular prism with three sides displaying content. Unfolded, it creates one complete large screen. It supports 360° rotation, opening/closing, spiral and swinging motions, freely switched to match content rhythm.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition



Art Museum

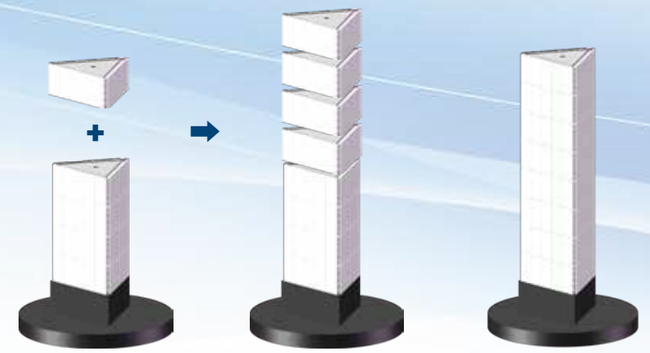


Brand Launch Event



Enterprise Technology Summit

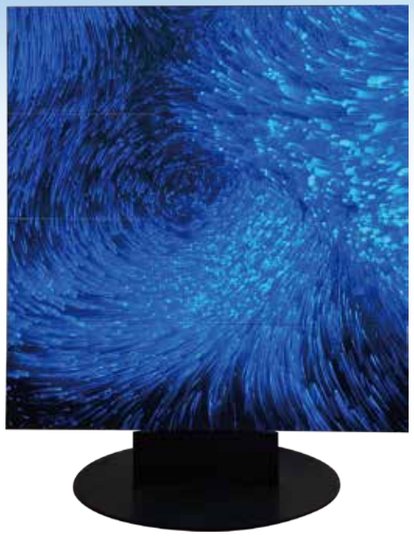
Assembly Illustration

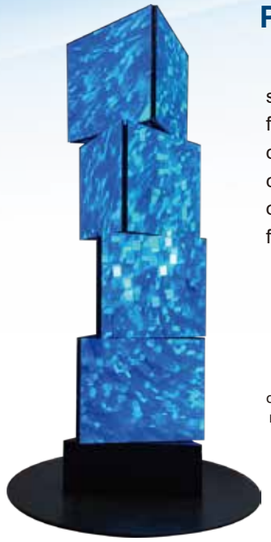


Technical parameters

Item	Name	Specifications/Functions
LED Module Specification	Pixel Pitch	Indoor P2 LED screen (P1.86 / P2 / P2.5 optional)
	Dimension(L*W*T)	320*160*16.3mm standard module
	Pixel Configuration	1R1G1B
	LED Package	SMD1515
	Driving Mode	1/40 constant-current drive
	Module Resolution	160*80
	Brightness	≥600cd/ m^2
	Refresh Rate	≥3840hz
	Connection Type	Flexible connection
	Service Life	≥100 000 hours
Display & Outer Dimension	Display Layers	Layered modular structure; Fixed 4 layers + N separate layers (N=The number of layers) Example: 8 layers (fixed 4 + 1+1+1+1 separate layers)
	Display Columns	Multi-column splicing for simultaneous display
	Overall Shape Size	Round base (Dia.*H): 1450*481mm Closed cabinet (Triangle side*H): 800*320mm Extended cabinet (L*H): 2400*320mm Gap between layers≈5mm
	Equipment Height	1796mm+{N*325mm}; Equipment height for 8-layer (with base): 3096mm
	Display Surfaces	Closed: 3 display surfaces; Expanded: 1 continuous display surface
	Single-layer Display Size	Closed: 800*320mm per surface, total 3 surfaces; Expanded: 2400*320mm
	Total Display Area	2400*{1280mm+N*320mm}; The total display area for 8-layer: 2400*2560mm
	Total Resolution	1200*{640+N*160}; The total resolution for 8-layer: 1200*1280
	Net Weight	Single layer≈49KG; Base≈324KG; Product net weight: Fixed 4*49KG+N*49KG+324KG; 8 layers(with base): 715KG
	Gross Weight	Gross weight for 8-layer(with base): 1046KG
Control & Script	Display Feature	Open-close function & 360°unlimited rotation
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 4 RPM (revolutions/minute); Expansion speed: 6 RPM (revolutions/minute)
	Control Method	CAN-bus protocol based, network control
	Video-script Binding	Each script can correspond to one video
	Multi-script Support	Multiple videos can be matched with multiple scripts
	Calling Protocol	External UDP calling protocol is available
	Auto-recovery Function	Software supports automatic error detection and error clearing
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)
	Peak Power	0.95KW/layer; Peak power: 3.8KW+{N}*0.95KW; Peak power for 8-layer: 7.6KW
	Network Interface	CAT6
	Installation	Option 1: The screen body and base are packed separately exfactory. Set up the screen body and fasten it to the base with screws during installation (Non-layerable version);
		Option 2: The base and fixed layers are pre-assembled exfactory. Stack and lock the layered modular cabinets layer by layer following the installation manual

Kinetic Triangular-wing Expandable Screen(800-640)





Product introduction

The triangular wing expansion screen supports multiple dynamic modes. Closed, it forms a 3D triangular prism with three sides displaying content. Unfolded, it creates one complete large screen. It supports 360° rotation, opening/closing, spiral and swinging motions, freely switched to match content rhythm.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition



Exhibition Hall

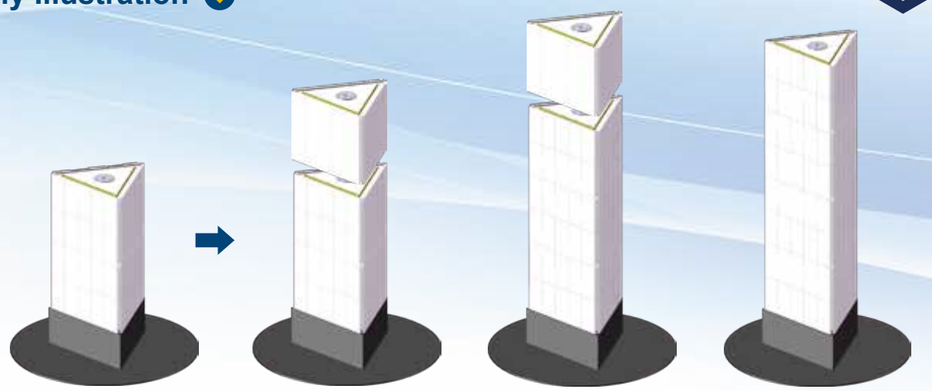


Press conference



Oceanarium

Assembly Illustration



Technical parameters

Item	Name	Specifications/Functions
LED Module Specification	Pixel Pitch	Indoor P2 LED screen (P1.86 / P2 / P2.5 optional)
	Dimension(L*W*T)	320*160*16.3mm standard module
	Pixel Configuration	1R1G1B
	LED Package	SMD1515
	Driving Mode	1/40 constant-current drive
	Module Resolution	160*80
	Brightness	≥600cd/ m^2
	Refresh Rate	≥3840hz
	Connection Type	Flexible connection
	Service Life	≥100 000 hours
Display & Outer Dimension	Display Layers	Layered modular structure; Fixed 2 layers + N separate layers (N=The number of layers) Example: 4 layers (fixed 2 + 1+1 separate layers)
	Display Columns	Multi-column splicing for simultaneous display
	Overall Shape Size	Round base (Dia.*H): 1450*481mm;Closed cabinet (Triangle side*H): 800*640mm Extended cabinet (L*H): 2400*640mm;Gap between layers≈5mm
	Equipment Height	1796mm+{N*645mm};4-layer(with base): 3096mm
	Display Surfaces	Closed: 3 display surfaces;Expanded: 1 continuous display surface
	Single-layer Display Size	Closed: 800*640mm/surface, total 3 surfaces; Expanded: 2400*640mm
	Total Display Area	2400*{1280mm+N*640mm};4-layer: 2400*2560mm
	Total Resolution	1200*{640+N*320};4-layer: 1200*1280
	Net Weight	Single layer≈95KG;Base≈324KG; Product net weight: Fixed 2*95KG+N*95KG+324KG; 4 layers(with base): 704KG
	Gross Weight	Gross weight for 4-layer(with base): 960KG
Control & Script	Display Feature	Open-close function & 360°unlimited rotation
	Motion Mode	Built-in motion scripts;Motion scripts can be adjusted via software
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 4 RPM (revolutions/minute); Expansion speed: 6 RPM (revolutions/minute)
	Control Method	CAN-bus protocol based, network control
	Video-script Binding	Each script can correspond to one video
	Multi-script Support	Multiple videos can be matched with multiple scripts
	Calling Protocol	External UDP calling protocol is available
	Auto-recovery Function	Software supports automatic error detection and error clearing
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)
	Peak Power	1.55KW/layer; Peak power:3.1KW+{N}*1.55KW; Peak power for 4-layer: 6.2KW
	Network Interface	CAT6
	Installation	Option 1: The screen body and base are packed separately exfactory. Set up the screen body and fasten it to the base with screws during installation (Non-layerable version);
		Option 2: The base and fixed layers are pre-assembled exfactory. Stack and lock the layered modular cabinets layer by layer following the installation manual

Kinetic Curved Rotating Screen

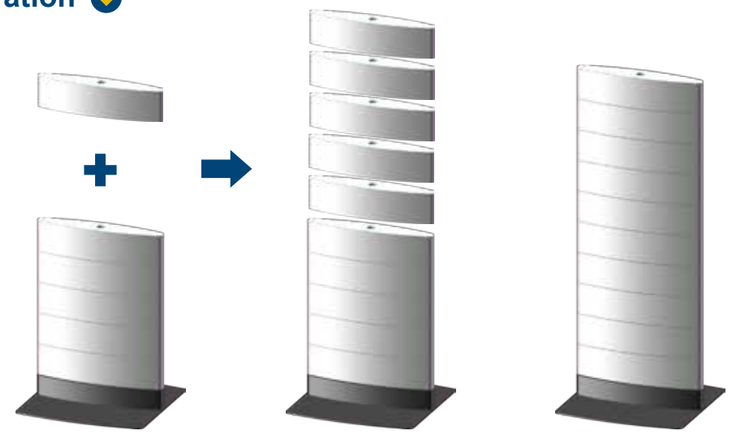


Product introduction

Curved rotating screen consists of multiple rotating units stacked and assembled into an integrated display structure. It delivers stunning animations including spiral motion, swinging and full rotation on demand. It elevates the overall exhibit and creates rich, spectacular visual effects.

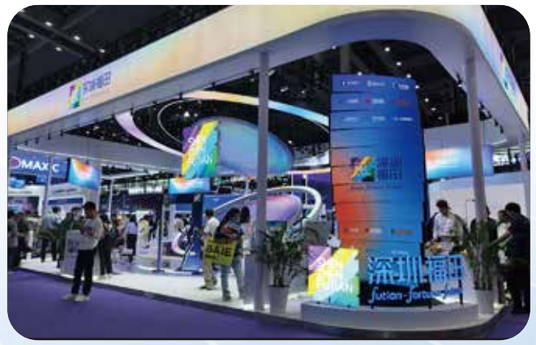
- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Layered modular design
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Simple and convenient installation

Assembly Illustration



Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition



Press conference

Technical parameters

Item	Name	Specifications/Functions		
		6-layer curved rotating screen (1280*320)	10-layer curved rotating screen (1280*320)	10-layer curved rotating screen(1600*320)
LED Module Specification	Pixel Pitch	Indoor P2 LED screen (P1.53/ P1.86 / P2 optional)		
	Dimension(L*W*T)	320*160*7.6mm Flexible module		
	Pixel Configuration	1R1G1B		
	LED Package	SMD1515		
	Driving Mode	1/40 constant-current drive		
	Module Resolution	160*80		
	Brightness	≥600cd/ m^2		
	Refresh Rate	≥3840hz		
	Connection Type	Flexible connection		
	Service Life	≥100 000 hours		
Display & Outer Dimension	Display Layers	Layered modular structure; Fixed 5 layers + N separate layers (N=The number of layers) Example: 10 layers (fixed 5 + 1+1+1+1+1 separate layers)		Layered modular structure; Fixed 6 layers + N layers (N=The number of layers) Example: 10 layers (fixed 6 + 1+1+1+1 layers)
	Display Columns	Multi-column splicing for simultaneous display		
	Overall Shape Size	Oval base (L*W*H): 1430*1380*355mm Cabinet (L*W*H): 1405*280*324.3mm Gap between layers≈3mm	Oval base (L*W*H): 1430*1380*355mm Cabinet (L*W*H): 1405*280*324.3mm Gap between layers≈3mm	Oval base (L*W*H): 1694*1441*380mm Cabinet (L*W*H): 1680*280*324.3mm Gap between layers≈3mm
	Equipment Height	2001.5mm+{N*327.3mm}; 6-layer(with base): 2329mm	2001.5mm+{N*327.3mm}; 10-layer(with base): 3638mm	2354mm+{N*327.3mm}; 10-layer(with base): 3663mm
	Display Surfaces	Double-sided display (wide-angle curved surface)		
	Single-layer Display Size	(1280*2)*320mm	(1280*2)*320mm	(1600*2)*320mm
	Total Display Area	(1280*2)*{1600+N*320mm}; 6-layer :2560*1920mm	(1280*2)*{1600+N*320mm}; 10-layer :2560*3200mm	(1280*2)*{1920+N*320mm}; 10-layer :3200*3200mm
	Total Resolution	1280*{800+N*160}; 6-layer: 1280*960	1280*{800+N*160}; 10-layer: 1280*1600	1600*{960+N*160}; 10-layer: 1600*1600
	Net Weight	Single layer≈43KG; Base≈250KG; Product net weight: Fixed 5*43+N*43+250KG; 6 layers(with base): 508KG	Single layer≈43KG; Base≈250KG; Product net weight: Fixed 5*43+N*43+250KG; 10 layers(with base): 680KG	Single layer≈45KG; Base≈280KG; Product net weight: Fixed 6*45+N*45+280KG; 10 layers(with base): 730KG
	Gross Weight	6-layer(with base): 630KG	10-layer(with base):933KG	10-layer(with base):990KG
Control & Script	Display Feature	360° unlimited continuous rotation		
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software		
	Running Speed	The operating speed can be adjusted via the control program; Default speed: 4 RPM (revolutions/minute)		
	Control Method	CAN-bus protocol based, network control		
	Video-script Binding	Each script can correspond to one video		
	Multi-script Support	Multiple videos can be matched with multiple scripts		
	Calling Protocol	External UDP calling protocol is available		
	Auto-recovery Function	Software supports automatic error detection and error clearing		
Installation & Power Supply	Power Supply	AC 220~240V 50/60HZ(Wide voltage AC 100~240V 50/60HZ customizable)		
	Peak Power	0.75KW/layer; Peak power: 3.75KW+{N}*0.75KW; Peak power for 6-layer: 4.5KW	0.75KW/layer; Peak power: 3.75KW+{N}*0.75KW; Peak power for 10-layer: 7.5KW	0.95KW/layer; Peak power: 5.7KW+{N}*0.95KW; 10-layer: 9.5KW
	Network Interface	CAT6		
	Installation	Option 1: The screen body and base are packed separately exfactory. Set up the screen body and fasten it to the base with screws during installation (Non-layerable version); Option 2: The base and fixed layers are pre-assembled exfactory. Stack and lock the layered modular cabinets layer by layer following the installation manual		

Kinetic Matrix Telescopic Screen



Product introduction

Breaking the limits of conventional flat displays, our product features an industry-leading dynamic telescopic matrix. Composed of individually extendable & retractable units arranged in a matrix, it acts like an agile mechanical array. It generates vivid 3D motions including wave undulation and staggered opening. Specific units can pause at key angles to grab viewers' eyes, with seamless, consistent movement across the entire system.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Simple and convenient installation
- Flexible action editing
- Support central control invocation
- Support unlimited rotation
- Modular Design

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Airports



Commercial Spaces



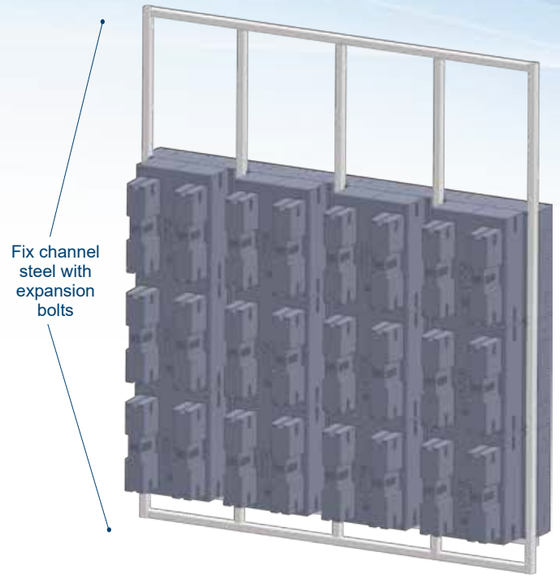
Corporate



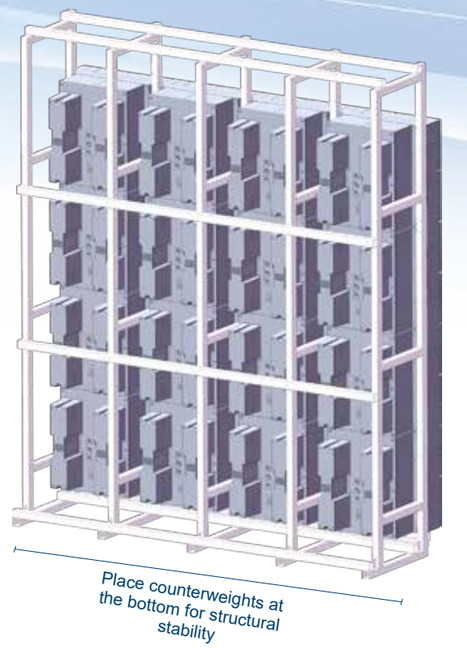
Hotels

Assembly Illustration

Fixed Mounting Structure



Stacked Quick-Install Structure



Technical parameters

Item	Name	Specifications/Features	
		Telescopic module (160*160)	Telescopic module (250*250)
Display & Outer Dimension	Pixel Pitch	Indoor P1.98 LED screen	Indoor P1.94 LED screen
	Module Specifications	160*160 custom module with GOB SMD 3-in-1 Brightness: ≥600cd/ ㎡ Refresh Rate (Hz): 3840Hz	248.4*248.4 custom module with GOB SMD 3-in-1 Brightness: ≥600cd/ ㎡ Refresh Rate (Hz): 3840Hz
	Module Resolution	80*80	128*128
	Cabinet Dimensions	644* 483*320mm(L*W*T) Gap between telescopic modules: Approximately 1(0.5-1.5) mm	500* 500*380mm(L*W*T) Gap between telescopic modules: Approximately 1.6(±0.5) mm
	Single Cabinet Display Size	640*480	500*500
	Display resolution	320*240	256*256
	Telescopic stroke(MAX)	200mm	200mm
	Telescopic speed(MAX)	300mm/s	600mm/s
	Equipment weight	Approximately 112KG per square meter	Approximately 96KG per square meter
Control & Script	Display items	Telescopic	
	Motion Mode	Built-in motion scripts; Motion scripts can be adjusted via software	
	Running Speed	The operating speed can be adjusted via the control program	
	Control Method	CAN-bus protocol based, network control	DMX512 protocol based, network control
	Video-script Binding	Each script can correspond to one video	
	Multi-script Support	Multiple videos can be matched with multiple scripts	
	Calling Protocol	External UDP calling protocol is available	
	Auto-recovery Function	Software supports automatic error detection and error clearing	
Installation and power supply	Power Supply	220V single-phase for power below 3kW; 3-phase 5-wire balanced power intake for power above 3kW	
	Peak Power	1.75KW/square meter	1.04KW/square meter
	Network Interface	CAT6	
	Installation	Cabinet-type quick installation	

Kinetic Matrix Telescopic Screen

Product Details Showcase



Modular Design
644mm*483mm 12-in-1 independent die-cast aluminum cabinet for more precise and faster installation

Multi-level Noise Reduction Design
Adopts closed-loop stepper drive system, effectively reducing noise by 70%

Ultra-thin Front-maintenance Design
Ultra-thin & front-maintenance structure, supports embedded installation with compact layout

Precision Machining
Industrial linear guide rails, ensuring the gap between modules is only 1mm

Telescopic Stroke
200mm long stroke for enhanced creative visual effects





Product Details Showcase



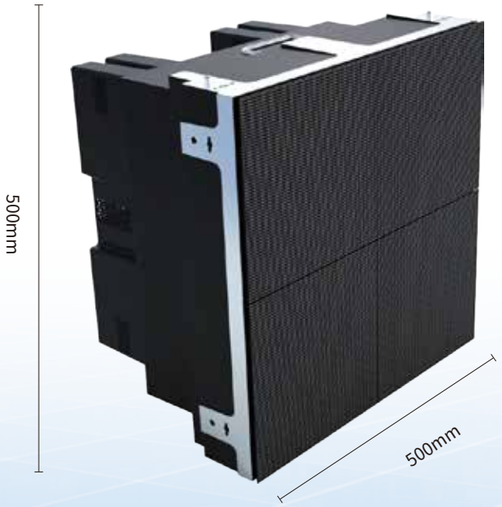
Modular Design
500mm*500mm 12-in-1 independent die-cast aluminum cabinet for more precise and faster installation

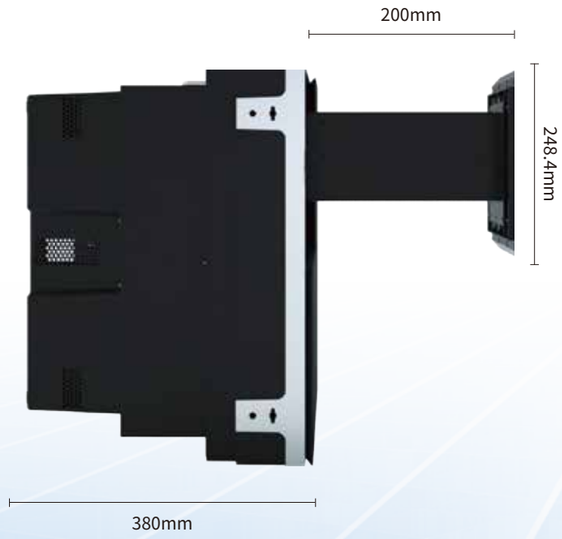
Multi-level Noise Reduction Design
Adopts closed-loop stepper drive system, effectively reducing noise by 70%

Dual-side maintenance design (front & rear)
Designed with both front and rear maintenance access, it fulfills maintenance needs for a wide range of complex operating conditions

Precision Machining
Industrial linear guide rails, ensuring the gap between modules is only 1.6mm

Telescopic Stroke
200mm long stroke for enhanced creative visual effects





Kinetic Open-close Rotating Screen



Product introduction

The open-close rotating screen consists of multiple sliding and rotatable display panels mounted on slide rails. The system can be extended infinitely in theory to form an extra-wide display surface. Motion scripts can be programmed to perfectly match video content, delivering vivid and outstanding visual effects and making exhibits stand out uniquely.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Stable and reliable equipment
- Flexible action editing
- Support central control invocation
- Simple and convenient installation

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition Hall



Art Space

Technical parameters

Name	4-panel Opening & Rotating Screen	Custom Version
Track Length	5m dual track	Custom length available
Track Type	Industrial linear dual track	Custom dual track
Installation Method	Floor mounted	Floor mount or ceiling suspension available
Track Load Capacity	Max load≤1000KG per meter	
Motor Type	Servo motor	
LED Pitch	P1.875 (240*240mm)	P1.25/P1.538/P1.667/P1.86/P2/P2.5/other
Cabinet Dimension	964*2164*100mm	Customizable upon
Single-screen Size	960*2160	Customizable upon
LED Screen Mounting	Magnetic mounting	Customizable upon
Quantity of Scripts	Unlimited, custom motion scripts can be created	
External Control	UDP command control available,compatible with central control	
Unit Reserved Gap	2mm	
Max Moving Speed	120-150mm/s	
Max Rotation Angle	360° rotation	Custom 360° continuous
Max Rotation Speed	1.3s/r	
Input Power	AC 110~240V 50/60HZ; Peak power:10KW; Normal operating power:5.5KW	AC 110~240V 50/60HZ; Power to be calculated based on custom

Kinetic Matrix Sliding Rail Screen



Product introduction

The complete slide rail system consists of multiple units. Each unit can be configured with multiple vertically sliding display panels in one column, or multiple horizontally sliding display panels in one row. Motion scripts can be programmed according to video effects. Fully aligned with video content, the scripts deliver vivid and outstanding visual presentation, creating highly differentiated exhibit effects.

- Simple operation and maintenance
- Flexible size customization
- High operational stability
- Stable and reliable equipment
- Flexible action editing
- Support central control invocation
- Simple and convenient installation
- Real-time Motion Preview

Application field

Airport, exhibition hall, commercial complex, science museum, high-speed railway station, etc.



Exhibition



Exhibition

Technical parameters

Name	Specifications/Functions			
Common Display Type	46-inch splicing screen	55-inch splicing screen	P1.875LED	23-inch Monitor/ Projection Panel
Display Specification	——	——	P1.875mm	——
Image Unit Size	46-inch	55-inch	240*240mm	23-inch/Custom
Image Unit	1920*1080	1920*1080	128*128	1920*1080/——
Single-screen Size	1024*578mm	1213.4*684.2mm	720*480mm	540*320mm/Custom
Transmission Method	Rack and Pinion			Timing Belt
Quantity of Scripts	Unlimited, custom motion scripts can be created			
External Control	UDP Protocol			
Unit Reserved Gap	2mm			
Max Moving Speed	Subject to guide rail length			
Input Power	AC 110~240V 50/60HZ			