OnlyLED

ONLY LED DISPLAY

PROFESSIONAL LED DISPLAY MANUFACTURER

ABOUT US

ONLY LED was founded in 2006,with headquarters located in Bao'an Shenzhen -The center of Science and Technology of China. ONLY LED is mainly engaged in the research and development, production, and export sales of outdoor and indoor LED display and peripheral products. Production facility covers an area of more than 8,000 square meters equipped with multiple automated production lines and advanced manufacturing equipment.It adopts a modern enterprise management model, and a programmatic & standardized quality monitoring system.The products produced by ONLY LED are extremely outstanding and the craftsmanship is exquisite. At ONLY LED, we are Brighter Smarter Greener. ONLY LED is looking for distributor of our products.
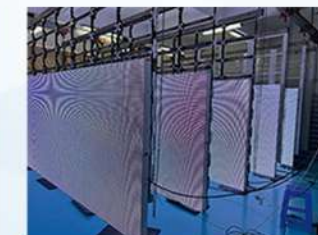
Intelligent Production Workshop   Automatic production line   Precision Meets speed

Smarter Brighter Greener

Scan QR code to get details

ONLY LED

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SHOWCASES

Model XTP-PH3.91-BDL8 3x12m in UK

Model UP-PH9.52-CD16 14x24ft in TX USA

Model UP-PH3.81-CDS 10X20ft in UK

Model UP-PH9.52-CDS 3X624ft in Belgium

Model V-PH9.52-CDS 26*86ft in USA

Model M-PH7.62-CDS 10*120ft in UK

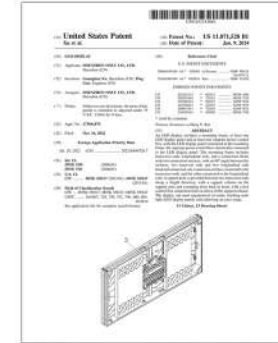Model U-PH3.81-CDS 3*6ft in Sweden

Model S-PH5.6-FOC 4.32*11.52m in UK

Model U-PH6.35-CDS 20*25ft in Austria

Mode V-PH7.62-CDS 12*28ft in USA

Certificate Authentication

U-PRO Serie USPTO USA patent

Skyline serie U-PRO-L model 2'x4、3'x4' ETL listed

U-PRO-L4 U-PRO-L6 CE EMC certification

U-PRO-S ETL certification

U-PRO-S LED panel CB certificate

U-PRO-S CE LVD certificate by TUV

X serie product IP67 certificate


X serie product CE EMC

Strong market service network covering the world

While our roots are in Shenzhen, our reach extends far beyond. Since our inception, we have exported LED displays to more than 100 countries and regions worldwide. We have always prioritized independent research and development, constantly pushing the boundaries of what is possible in LED display technology.

Professional engineering design solutions

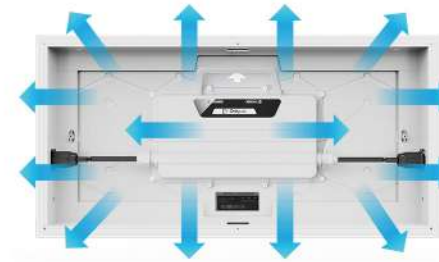Efficient response, professional service
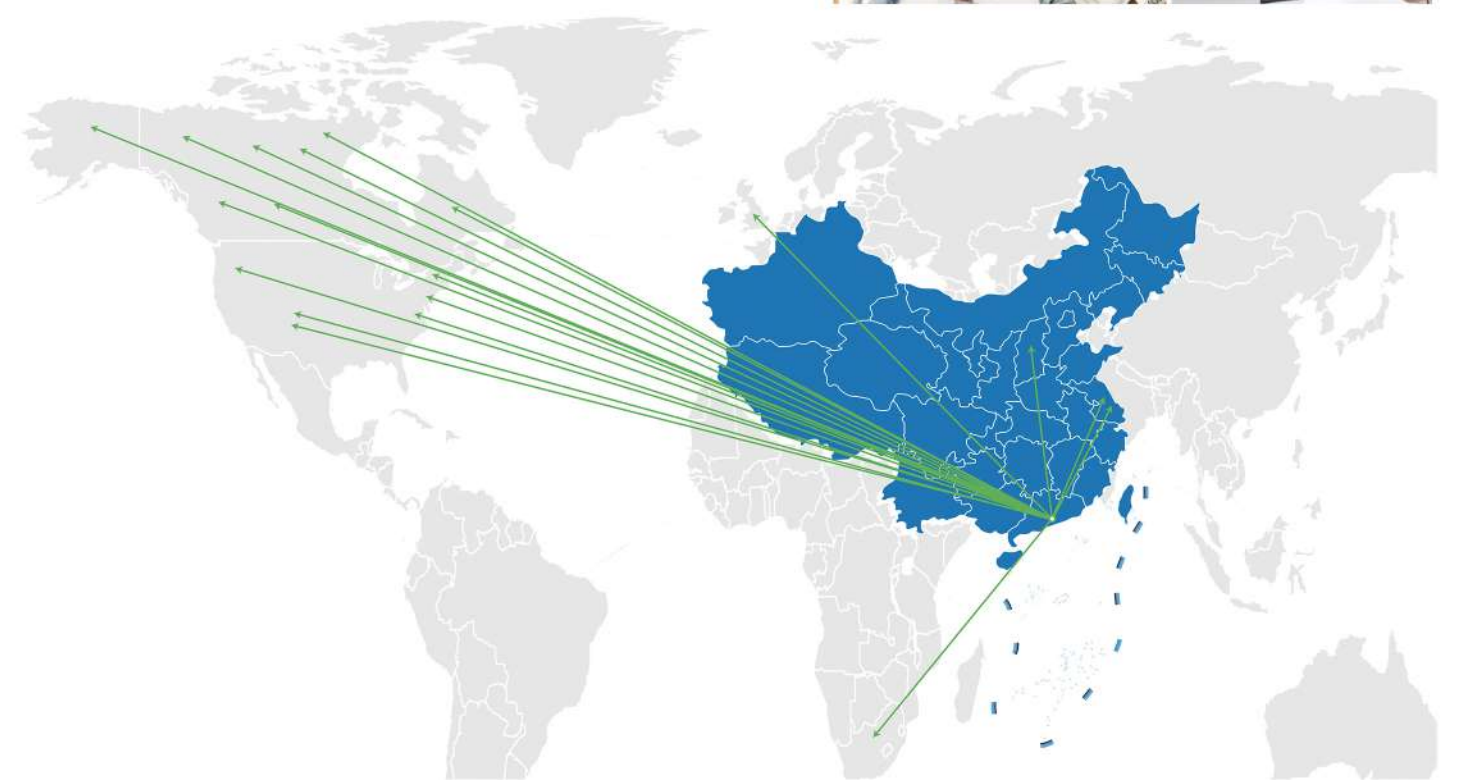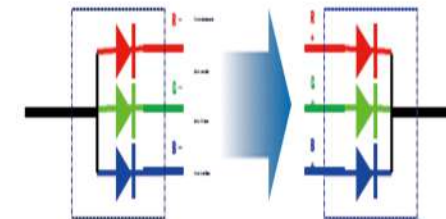
U-PRO-S Series Display

▌ Features

- Die-casting aluminum panel 1'x 2'
- High brightness and high refresh rate LED display
- Common cathode LEDs, truly energy saving design
- Modular mounting frames 1'x2'
- Front serviceable LED panel
- Slim and light weight
- ETL and FCC product
- IP66 rating

Passive heat dissipation with patented technology, featuring ICs directly attached to the aluminum housing for rapid and uniform heat distribution, seamlessly integrating heat conduction and dissipation.

More elegant, stronger, heat-resistant, and highly durable, with exceptional thermal conductivity for an extended lifespan.

The Common Cathode Solution offers 40% energy savings and reduces temperature by 20℃, ensuring higher efficiency, lower power consumption, and superior heat dissipation for brighter, cooler, and more durable LED displays.

Lighter and thinner with high splicing precision for seamless alignment and easy installation.

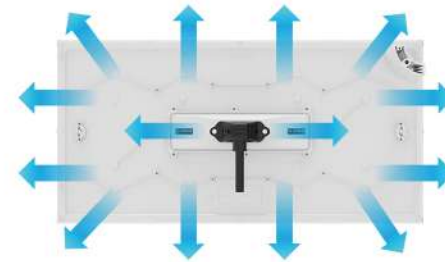| Working environment	Out door						
Cabinet	UP-PH9.52-CDS	UP-PH7.62-CDS	UP-PH6.35-CDS	UP-PH4.76-CDS	UP-PH3.81-CDS	UP-PH3.17-CDS	UP-PH2.38-CDS
Pixel pitch	9.525mm	7.62mm	6.35mm	4.76mm	3.81mm	3.175mm	2.3812mm
pixel configuration	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)
Density of pixel	11022pixel/m²	17222pixel/m²	24800pixel/m²	44089pixel/m²	68889pixel/m²	99225pixel/m²	176356pixel/m²
Resolution/cabinet	32pixel*64pixel	40pixel*80pixel	48pixel*96pixel	64pixel*128pixel	80pixel*160pixel	96pixel*192pixel	128pixel*256pixel
viewing angle/horizontal	110º	110º	110º	110º	110º	110º	110º
Viewing angle/Vertical	90º	90º	90º	90º	90º	90º	90º
LED	2727	2727	2727	1921	1921	1415	1211
Average power/cabinet	40W	40W	40W	45W	49W	38W	39W
Max power/cabinet	133W	132W	133W	135W	169W	125W	132W
Driving Method	1/4 Scan	1/5 Scan	1/4 Scan	1/4 Scan	1/8 Scan	1/16 Scan	1/16 Scan
Refresh rate	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ
Brightness	10000cd/m²	10000cd/m²	10000cd/m²	10000cd/m²	7900cd/m²	5500cd/m²	5000cd/m²
Refresh frame frequency	≥60HZ						
Ingress rating	IP66						
Cabinet size	1ft*2ft						
Grey scale/display color	65536/display 16.7M						
Brightness adjustment	Manu al R.G.B each color 256, automatic 8 grades are adjustable						
Input signal	RF S-Video、RGB、RGBHV、YUV、YC、COMPOSITONS						
Control system	synchronous & asynchronous						
Data transmission	Internet cable transmission 100m. Multi-mode fiber optics transmission 500m; Single-mode optic fiber transmission 10km						
Operation system platform	windows						
Average no Failure time	≥10000hrs						
Lifetime of Led	≥100000hrs						
Malfunction do rate	<0.0001						
Working Voltage	AC 110V/220V±15%50-60HZ						
Earth leakage current	<0.01mA						
Working/Storage temperature	working-30℃～60℃ storage-40℃～85℃						

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U-PRO-L Series Display

▌ Features

- Extruded aluminum cabinet 2'x4' and 3'x4'
- High brightness and high refresh rate LED display
- Common cathode LEDs, truly energy saving design
- Front serviceable LED cabinet
- Slim and light weight
- ETL and FCC product
- Products protected by the USPTO Patent No.: US 11,871,528 B1

▌ U-PRO-L Series Display
Features

Passive heat dissipation with patented technology, featuring ICs directly attached to the aluminum housing for rapid and uniform heat distribution, seamlessly integrating heat conduction and dissipation.

More elegant, stronger, heat-resistant, and highly durable, with exceptional thermal conductivity for an extended lifespan.

More versatile	3.175mm	3.81mm	6.35mm	9.525mm
On-screen effect				
Application scenario	Bus stop high-definition advertisement	Walking Street advertisement	Outdoor roadside billboard	Large building exterior wall advertisement

|							
Working environment	Out door						
Model Number	UP-PH9.5-BDL4	UP-PH7.6-BDL4	UP-PH6.3-BDL4	UP-PH4.76-BDL4	UP-PH3.8-BDL4	UP-PH3.1-BDL4	UP-PH2.3-BDL4
Pixel pitch	9.525mm	7.62mm	6.35mm	4.76mm	3.81mm	3.175mm	2.3812mm
pixel configuration	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)	1R1G1B(SMD)
Density of pixel	11022pixel/m²	17222pixel/m²	24800pixel/m²	44089pixel/m²	68889pixel/m²	99225pixel/m²	176356pixel/m²
Resolution/cabinet	64pixel*128pixel	80pixel*160pixel	96pixel*192pixel	128pixel*256pixel	160pixel*320pixel	192pixel*384pixel	256pixel*512pixel
viewing angle/horizontal	110°	110°	110°	110°	110°	110°	110°
Viewing angle/Vertical	90°	90°	90°	90°	90°	90°	90°
LED	2727	2727	2727	1921	1921	1415	1211
Average power/cabinet	162W	170W	180W	180W	180W	186W	158W
Max power/cabinet	540W	550W	600W	540W	600W	620W	528W
Driving Method	1/4 Scan	1/5 Scan	1/4 Scan	1/4 Scan	1/8 Scan	1/16 Scan	1/16 Scan
Refresh rate	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ
Brightness	5000-11000cd/m²	5000-11000cd/m²	5000-10000cd/m²	7000cd/m²	4500-9500cd/m²	4100-7000cd/m²	4000-5500cd/m²
Refresh frame frequency	≥60HZ						
Ingress protection rating	IP66						
Cabinet size	2ft*4ft						
Grey scale/display color	65536/display 16.7M						
Brightness adjustment	Manu al R.G.B each color 256，automatic 8 grades are adjustable						
Input signal	RF S-Video、RGB、RGBHV、YUV、YC、COMPOSITONS						
Control system	synchronous & asynchronous						
Data transmission	Internet cable transmission 100m. Multi-mode fiber optics transmission 500m; Single-mode optic fiber transmission 10km						
Operation system platform	windows						
Average no Failure time	≥10000hrs						
Lifetime of Led	≥100000hrs						
Malfunction do rate	<0.0001						
Working Voltage	AC 110V/220V±15%50-60HZ						
Earth leakage current	<0.01mA						
Working/Storage temperature	working-30℃～60℃ storage-40℃～85℃						

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XT-PRO Series Display

❚ Features

- Aluminum led cabinet 1,000MM x 1,000MM
- High brightness and high refresh rate LED display
- Common cathode LEDs, truly energy saving design
- Front serviceable LED cabinet
- Slim and light weight
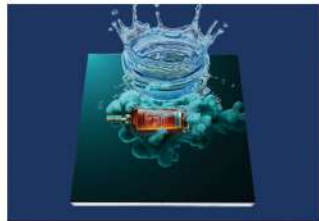- Can customize 500*1000mm and 750*1000mm LED cabinets

XT-PRO Series Display
Features

**Easier installation and maintenance**
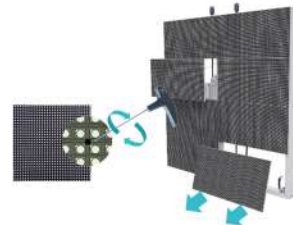
Each LED cabinet consists of 4, 6, or 8 LED modules, with each module operating independently, ensuring that even if one module malfunctions, the rest of the display continues to function normally.

With comprehensive waterproof and dustproof protection, the cabinet achieves an IP66 rating, ensuring reliable performance even in harsh environments—no matter the conditions, our LED displays operate flawlessly.

Better heat dissipation
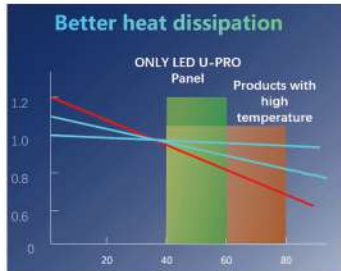
Adopting an energy-saving common cathode LED design with a dual-voltage power supply, our solution offers lower power consumption, reduced heat generation, and an extended lifespan compared to traditional LED displays.

Energy Saving 30%

The energy-saving design primarily comes from the power supply, with each LED cabinet utilizing a 2.8V to 4.2V DC power system, making it more efficient than conventional power supplies and achieving an average of 30% energy savings compared to traditional LED displays.

Working environment	Outdoor			
Model Number	XTP-PH3.91-SBD-L8	XTP-PH7.82-SBD-L8	XTP-PH10.4-DBD-L8	XTP-PH10.4-SBD-L8
Pixel Pitch	3.91mm	7.82mm	10.4mm	10.41mm
Pixel configuration	1R1G1B SMD	1R1G1B SMD	1R1G1B DIP	1R1G1B (SMD)
Density of pixels	65536 Pixels/㎡	16384 Pixels/㎡	9216 Pixels/㎡	9216Pixels/㎡
Resolution/cabinet	256*256 Pixels	128*128 Pixels	96*96 Pixels	96*96 Pixels
Viewing angle/horizontal	110°	110°	90°	110°
Viewing angle/vertical	110°	90°	55°	90°
LED	SMD 1921	SMD 2727	DIP346	SMD2727
Average power consumption/Cabinet	198 W	190 W	156 W	153 W
Max power consumption/cabinet	596 W	546 W	464 W	512 W
Driving method	1/8 scan	1/4 scan	1/4 scan	1/4 scan
Refresh rate	≥3000HZ	≥3000HZ	≥3000HZ	≥3000HZ
Brightness	≥5500cd/㎡	≥6500cd/㎡	≥8000cd/㎡	≥6000cd/㎡
Frame frequency (HZ)	≥60HZ			
Ingress protection rating	IP66			
Cabinet size	1000mm*1000mm			
Cabinet depth	50mm			
Installation type	Fixed installation			
Cabinet materials	Aluminium			
Cabinet weight (Kgs)	24			
Service access	Front and back service			
Control system	synchronous & Asynchronous			
software OS	Windows			
Malfunction do rate	<0.0001			
Working voltage (V)	90~240 VAC 50/60HZ			
Earth leakage current	0.01mA			
working /storage temperature	working -30℃ ~ 60℃ Storage-40℃ ~ 85℃			
Operation humidity and storage humidity (RH)	10%~95%			

XT-E Series

The XT-E series full-color outdoor display is a new generation of LED display, featuring a high-strength, slim aluminum cabinet with excellent sealing.
This design ensures strong screen body connection and reliable load-bearing for the entire display. With an IP66 rating, the cabinet is fully waterproof, and the electronics are completely sealed inside, ensuring that our products can perform in even the harshest environments.

Product characteristics:

- High refresh rate
- High Brightness
- Long Life-span
- Waterproof Rate Ip66
- High Stability
- International Approvals
- Effective Heat Dissipation
- Light-weight
- High Definition
- Both Front and Rear Maintenance

XTE Series Display
Features

✓ Smart Module

- Temperature monitoring
- Auto calibration
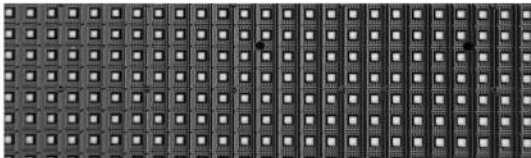- Running time
- Signal monitoring

The smart module can store its own calibration data. When the module is replaced, the calibration data is automatically updated to ensure uniformity across the display. Additionally, the system can monitor the working status of key components and upload the results to the server for continuous performance tracking.

✓ Colorful Pictures

The display utilizes RGB imaging technology to showcase a wide range of colors, including red, orange, yellow, white, green, blue, and up to 4.4 trillion colors. Its visual effect closely matches the human retina, meeting nearly all display area requirements. The color temperature is adjustable from 2500K to 10000K, making it suitable for various settings and adaptable to both human preferences and external equipment needs.

✓ Common cathode LEDs and Energy saving

Common cathode LED technology is an energy-efficient solution, offering high light efficiency, long lifespan, and low temperature operation. It features reduced heat generation and lower energy consumption, making it a more sustainable and cost-effective choice for LED displays.

✓ Working In Harsh Environment

Our LED display is waterproof, damp-proof, dustproof, and equipped with lightning protection, anti-electromagnetic interference, and anti-UV features. It is designed to withstand extreme high and low temperatures, as well as other severe environments, ensuring consistent performance in all conditions.

XT-E Series – Specifications

MODEL NUMBER	XTE-PH6.66-OA	XTE-PH8-OA	XTE-PH10-OA	XTE-PH5-OB	XTE-PH5.7-OB
Pixel pitch	6.6mm	8mm	10mm	5mm	5.7mm
LED lamp	SMD2727 3in1	SMD2727 3in1	SMD2727 3in1	SMD2727	SMD2727
Density of pixel (m²)	232500	15625	10000	40000	30625
Resolution/cabinet (pixels)	144*144	120*120	96*96	192*192	168*168
Average power/cabinet (w)	210	205	195	210	210
Max power/cabinet (w)	650	630	615	650	650
Brightness (cd/m²)	5000–9500	5000–9500	5000–9500	>8,000	>8,000
Viewing angle/horizontal (degree)	120	120	120	120	120
Viewing angle/Vertical (degree)	120	120	120	120	120
Working Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Ingress protection	IP66	IP66	IP66	IP66	IP66
Panel installation type	Fixed install	Fixed install	Fixed install	Fixed install	Fixed install
LED Cabinet size	960*960	960*960	960*960	960*960	960*960
Cabinet material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Driving Method	1/6 scan	1/4 scan	1/2 scan	1/8 scan	1/7 scan
Panel weight (kgs)	20.5kgs	20.5kgs	20.5kgs	20.5kgs	20.5kgs
Installation Access	Front Access /Back access	Front Access /Back access	Front Access /Back access	Front Access /Back access	Front Access /Back access
Refresh rate	3840HZ	3840HZ	3840HZ	≥3840HZ	≥3840HZ
Grey scale/display color	65536/display 16.7M	65536/display 16.7M	65536/display 16.7M	65536/display 16.7M	65536/display 16.7M
frame frequency	≥60HZ	≥60HZ	≥60HZ	≥60HZ	≥60HZ
Control system	Colorlight and Novastar	Colorlight and Novastar	Colorlight and Novastar	Colorlight and Novastar	Colorlight and Novastar
System Operation Platform	Windows	Windows	Windows	Windows	Windows
Malfunction do rate	<0.001	<0.001	<0.001	<0.0001	<0.0001
Earth leakage current	<0.01mA	<0.01mA	<0.01mA	<0.01mA	<0.01mA
Working	working-30℃ –60℃	working-30℃ –60℃	working-30℃ –60℃	working -30℃-60℃	working -30℃-60℃
Storage temperature	storage-40℃ –85℃	storage-40℃ –85℃	storage-40℃ –85℃	storage -40℃ -85℃	storage -40℃-85℃
AC Input Voltage (v) Frequency (Hz)	90–240 VAC 50/60 HZ	90–240 VAC 50/60 HZ	90–240 VAC 50/60 HZ	120–240 VAC ≥60 HZ	120–240 VAC ≥60 HZ
Operating Humidity and Storage Humidity (RH)	10%~95%	10%~95%	10%~95%	10%~95%	10%~95%
Certifications	CE,ROSH,FCC	CE,ROSH,FCC	CE,ROSH,FCC	CE,ROSH,FCC	CE,ROSH,FCC
Warranty	3years	3years	3years	3years	3years

MINI FLIP-COB Series Display

![OnlyLED logo]

Features

- Ultra-Thin & Lightweight Design LED panel 600*337.5mm
- High-Quality Visuals with Wide Viewing Angle
- Silent & Energy-Efficient Performance
- Ultra-High Refresh Rate (3840Hz)
- Dual-Signal Backup for Stability
- Fully Front Maintenance

MINIFLIP-COB Series Display
Features

Light-weight and thin

H series Indoor LED cabinets have a thickness of only 39.5mm. The slim and high-strength design supports dual-sided installation. With wall mounting, there is no need to reserve a maintenance channel behind the screen, providing more usable space in limited indoor environments. Compared to similar products in the market, the H series cabinets are 40% lighter, making them easy to install and savings on transportation and installation costs, Additionally, they reduce the load on the building structure, ensuring stability and reliability!

Backup: "Two-way" Backup:

The display screen is equipped with a two-way signal backup system, which ensures that during live broadcasts or in the event of signal transmission failures, the backup signal will be automatically activated to guarantee the stable operation of the display system.

Fully Front Maintenance Design:

Fully front maintenance is a crucial requirement for fine pitch installations. It effectively ensures installation thickness, with a minimum thickness of 39.5mm for wall mounting. There is no need for installation of maintenance channels, providing better protection against dust accumulation that could harm electronic components and PCB boards. Quick module replacement with electric suction tools enhances maintenance efficiency, ensuring fire safety and electrical security.

Silent and More Energy-Efficient:

The aluminum backshell provides efficient heat dissipation, eliminating the need for fans and, consequently, the resonance noise typically caused by fans and air conditioning. Operating in complete silence is not only environmentally friendly but also helps to reducing the power consumption of the display, thereby effectively lowering operational costs.

Low Brightness, High Gray, Loss-less Technology:

Every detail in the dark area is meticulously presented. In comparison to traditional LCD and DLP sliding screens with limited viewing angles and distortion, LED fine pitch displays offer a generous 160° viewing angle, high-fidelity images, color accuracy, and a broader audience appeal.

Perfect Display from Different Angles with a 160°

Effective Viewing Angle:
In contrast to the limited viewing angles and image distortion of traditional LCD and DLP sliding screens, our LED fine-pitch displays offer a generous 160° viewing angle, providing high-fidelity images without color deviation, making them suitable for a broader audience.

Experience the Transient Brilliance with an Ultra-High Refresh Rate:

With an impressive refresh rate of up to 3840Hz per second. supporting rapid decoding responses, our display eliminates screen ripples and image ghosting, ensuring every frame is clear, smooth, and delivering the optimal visual experience.

Hz 3840Hz

Model	H-PH0.78-COB	H-PH0.93-COB	H-PH1.25-COB	H-PH1.56-COB	H-PH1.87-COB
Module Size	150mm * 168.75mm				
Module Resolution	192*216	160*180	120*135	96*108	80*90
LED surface Color	Matte Frosted				
Surface Hardness	4H				
Cabinet Size	600mm * 337.5mm * 39.5mm				
Cabinet Weight	4KG				
Cabinet Resolution	768*432	640*360	480*270	384*216	320*180
Pixel Density per Square Meter	1638400	1137777	640000	409600	284444
Flash Correction	Yes				
Gray Scale Level	16-22bit				
Refresh Rate	3840HZ				
Contrast Ratio	10000:1				
Maximum Power	About 75W/Cabinet	About 75W/Cabinet	About 65W/Cabinet	About 65W/Cabinet	About 60W/Cabinet
Viewing Angle	Horizontal/ Vertical 160°				
Frame Rate	50-60HZ				
Operating Voltage	AC90-240V				
IP Protection Rating	IP54（Module Surface）				
LED Lifespan	100000H				
Effective Viewing Distance	≤0.5m				
Screen Temperature Rise (Operational)	≤20°C				
Pixel Correction	Module Calibration Storage and Receiving Card Calibration Storage				
Control Method	Synchronous Control/Asynchronous Control				
Cabinet Material	Die-Cast Aluminum Cabinet				
Cooling Method	Independent Cooling, COB Craft Cooling				
Mean Time Between Failures (MTBF)	≥10000Hours				
Power Backup	Dual Power Backup (Optional)				
Signal Backup	Dual Signal Backup (Optional)				
Control Distance	CAT 5 Twisted Pair Cable, Fiber Optic Transmission is Required for Over 70M				
Operating Environment	˚- 10℃ — +40℃ / 10%RH—90%RH				
Installation Method	Wall Mounting/Bracket Mounting/Embedded Installation				
Maintenance Method	Full Front Maintenance				

PRIME SERIE FINE PITCH INDOOR LED PANEL

- Available in multiple dimensions, including 337.5 × 1200mm, 320 × 1280mm, and more.
- Extruded aluminium LED panel for enhanced elegance and durability.
- Fine pixel pitch delivers an immersive indoor visual feast.
- Options available in both SMD and COB models.
- Engineered for easy and convenient installation.
- Factory direct sale, supporting OEM and ODM.
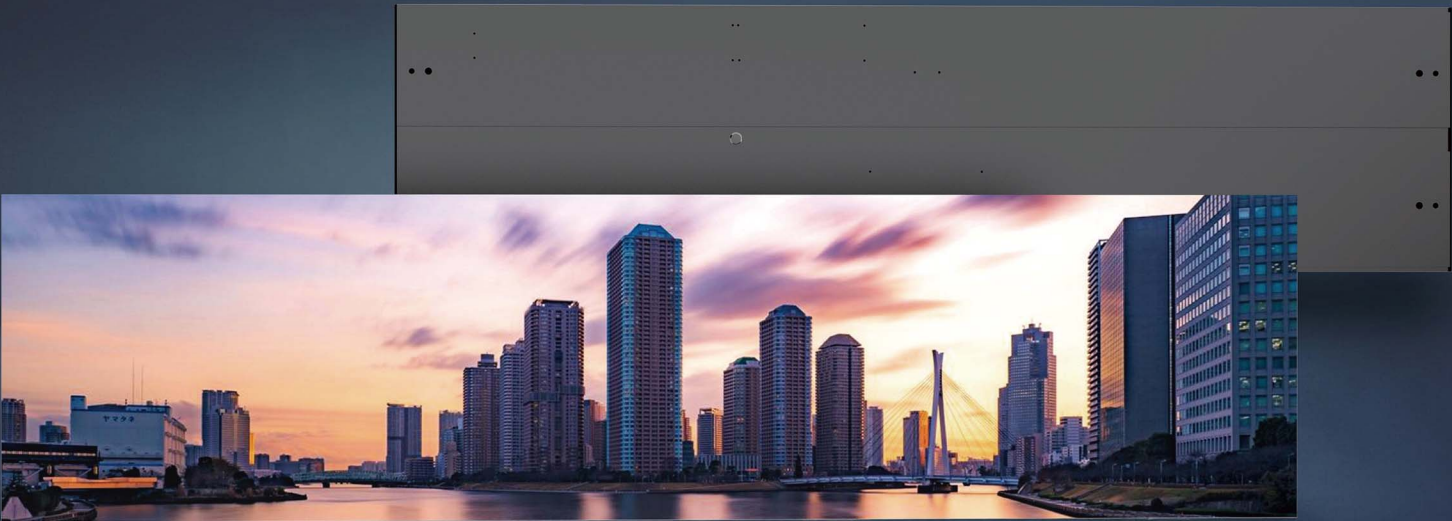
LED CABINET PARAMETERS

LIGHT AND SLIM

The PRIME Series cabinet is only 48mm thick, with a high-strength structure supporting double-sided installation. Wall-mounted installation requires no maintenance access behind the screen, leaving more usable space. Compared to similar products on the market, the cabinet is 40% lighter, making it easier to install, saving transportation and installation costs, while also reducing the load on the building structure for enhanced stability and reliability.

"TWO-WAY" BACKUP

The display screen features a two-way signal backup design, ensuring that in case of signal transmission failure during live broadcasts or other events, the system will automatically switch to the backup signal, and ensures stable operation of the display system.

FULLY FRONT MAINTENANCE DESIGN

Fully front-accessible maintenance design is essential for small-pitch display projects. It effectively maintains the installation thickness, with a minimum thickness of just 48mm for wall-mounted setups, eliminating the need for a rear maintenance channel. This helps protect the product from dust accumulation that could damage electronic components and PCB boards. Quick module replacement using electric vacuum tools improves maintenance efficiency, while ensuring fire and electrical safety.

SILENT AND MORE ENERGY-EFFICIENT

The aluminum backshell provides efficient heat dissipation without the need for fans, preventing the resonance noise caused by fans and air conditioners. Zero-noise operation
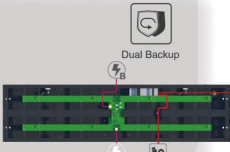
LOW BRIGHTNESS, HIGH GRAY, LOSSLESS TECHNOLOGY

Every detail in the content is vividly presented due to the advanced processing technology that utilizes 16-bit processing, ensuring excellent grayscale performance.

EXPERIENCE THE TRANSIENT BRILLIANCE WITH THE ULTRA HIGH REFRESH RATE

With an impressive refresh rate of up to 3840Hz per second, it supports rapid decoding response, eliminating screen ripples and image ghosting from captured footage. This ensures that every frame is clear and smooth, delivering the optimal visual experience.

"BOARD-TO-BOARD" HARD CONNECTION

Eliminating the hassle of cables, the Led modules directly connects to the adapter board.

160° ULTRA WIDE VIEWING ANGLE

The LED screen features with a wide viewing angle of 160°, providing clear and high-fidelity images without color deviation.
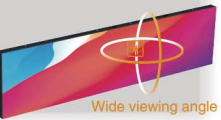
MODEL	PM-PH1.86MM-COB-A/B	PM-PH1.53MM-COB-A/B	PM-PH1.25MM-COB-A/B	PM-PH1.56MM-COB-A/B
MODULE SIZE	320MM * 160MM		300MM * 168.75MM	
MODULE RESOLUTION	172 * 86	208 * 104	240 * 135	192 * 108
LED SURFACE COLOR	MATTE FROSTED		MATTE FROSTED	
SURFACE HARDNESS	4H		4H	
CABINET SIZE	1280*320*48MM	1920*320*48MM	1200*337.5*36.6 MM	1800*337.5*36.6 MM
CABINET WEIGHT	9.7KG	14.55KG	9KG	13.5KG
CABINET RESOLUTION	688*172/1032*172	832*208/1248*208	960 * 270	768 * 216
PIXEL DENSITY/ PER SQM	288906	422500	640000	409600
BRIGHTNESS OF LED DISPLAY	<700CD/M²		<700CD/M²	
POWER SOLUTION	COMMON ANODE		COMMON ANODE	
FLASH CORRECTION	OPTIONAL		OPTIONAL	
GRAY SCALE	16-22BIT		16-22BIT	
REFRESH RATE	3840HZ		3840HZ	
CONTRAST RAIO	10000:1		10000:1	
MAXIMUM POWER	ABOUT 110W/CABINET (1280*320MM)	ABOUT 110W/CABINET (1280*320MM)	ABOUT 192W/ CABINET (1200*300MM)	ABOUT 176W/ CABINET (1200*300MM)
VIEWING ANGLE	HORIZONTAL/VERTICAL 160°		HORIZONTAL/VERTICAL 160°	
FRAME RATE	50-60HZ		50-60HZ	
OPERATING VOLTAGE	AC90-240V		AC90-240V	
INGRESS PROTECTION RATING	IP54(MODULE SURFACE) IP43(CABINET)		IP54 (MODULE SURFACE) IP43 (CABINET)	
LED LIFESPAN	100000H		100000H	
EFFECTIVE VIEWING DISTANCE	≥0.5M		≥0.5M	
SCREEN TEMPERATURE RISE (OPERATIONAL)	≤30°		≤30°	
PIXEL CORRECTION	MODULE CALIBRATION STORAGE AND RECEIVING CARD CALIBRATION STORAGE		MODULE CALIBRATION STORAGE AND RECEIVING CARD CALIBRATION STORAGE	
CONTROL METHOD	SYNCHRONOUS CONTROL/ ASYNCHRONOUS CONTROL		SYNCHRONOUS CONTROL/ ASYNCHRONOUS CONTROL	
CABINET MATERIAL	EXTRUDED ALUMINUM CABINET		EXTRUDED ALUMINUM CABINET	
COOLING	PASSIVE COOLING, COB CRAFT COOLING		PASSIVE COOLING, COB CRAFT COOLING	
MEAN TIME BETWEEN FAILURES	≥10000 HOURS		≥10000 HOURS	
POWER BACKUP	DUAL POWER BACKUP (OPTIONAL)		DUAL POWER BACKUP (OPTIONAL)	
SIGNAL BACKUP	DUAL SIGNAL BACKUP (OPTIONAL)		DUAL SIGNAL BACKUP (OPTIONAL)	
CONTROL DISTANCE	CAT 5 TWISTED PAIR CABLE, FIBER OPTIC TRANSMISSION IS REQUIRED FOR OVER 70 METERS		CAT 5 TWISTED PAIR CABLE, FIBER OPTIC TRANSMISSION IS REQUIRED FOR OVER 70 METERS	
OPERATING ENVIRONMENT	- 10°C — +40°C /10%RH—90%RH		- 10°C — +40°C /10%RH—90%RH	
INSTALLATION METHOD	WALL MOUNTED/ BRACKET MOUNTING/ EMBEDDED INSTALLATION		WALL MOUNTED/ BRACKET MOUNTING/ EMBEDDED INSTALLATION	
MAINTENANCE METHOD	FULL FRONT MAINTENANCE		FULL FRONT MAINTENANCE	

OnlyLED

OnlyLED
Battery-Powered
43" A Frame Digital Signage

Revolutionizing Outdoor Signage with Innovation

Full-Color Video Display, Enhanced Features, Endless Possibilities

Experience the first-generation battery-powered outdoor LED Digital Signage–a seamless blend of cutting-edge technology and sophisticated design. With its sleek ultra-thin border and advanced functionality, this Digital Signage is designed to captivate audiences and deliver exceptional results for modern commercial applications.

Protection level IP65

24/7 use

4500 Nits

Full frontal protection

Subwoofer

Interface fully hidden

Mobile APP control

plug and play

526 mm
480 mm
69.7mm
1208.1 mm 960 mm
43"

Only LED
Digital Signage

Product Parameters

Category	Parameter	Specification
LED DISPLAY	LED Display size	480mm x 960mm
	Pixel Pitch	2.5mm
	Display resolution (Pixels)	192 x 384
	Average Power Consumption	200W (Depends on display content)
	Lifespan	≥100,000 hours
	Brightness (cd/m²)	≥4500 cd
	Protection Level	IP65
	Refresh Rate	≥3840Hz
Mainboard	Model	OL88
	CPU	Cortex A55 Quad-Core 1.5GHz
	GPU	Mali-G31MP2 (Supports OpenGL ES2.3, OpenCL 2.0, Vulkan 1.0)
	System Memory	8GB eMMC + 1GB LPDDR3
	Wi-Fi	IEEE 802.11 b/g/n 2.4G
	GPS	GNSS GPS/Beidou/Glonass
	Operating System	Android 9
	Communication Modes	Ethernet, Wi-Fi, USB, Optional 4G Module
	Software	LedOK Express Xixun /Huidu optional
	Other Port Support	USB 2.0, RS485, RS232, TTL Interface, Video Input Options
Cabinet	Outer Color	Black, White, and Custom Colors Available
	Cabinet Size (HxWxD in mm)	1208.1 x 526.0 x 69.7mm
	Package Size (HxWxD in mm)	1300 x 623 x 170mm
	Net Weight	30kg
	Gross Weight	33kg
Battery	Capacity	50,000mAh
	Total Power	1260Wh
	Input Voltage	110-220V AC
	Runtime	≥8-10 hours
	Battery Level Indicator	YES (Locate at rear of product)
Environment	Operating Temperature	-20℃ to 55℃
	Storage Temperature	-40℃ to 85℃
	Operating Humidity	10% to 98%
Maintenance & Warranty	Warranty period	1 Year
	Technical Support	10 Years

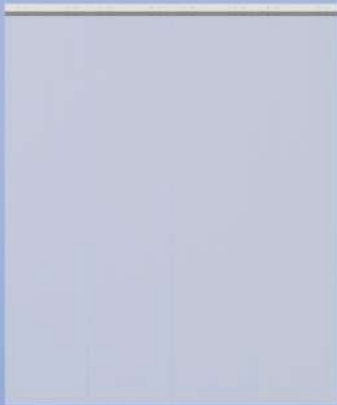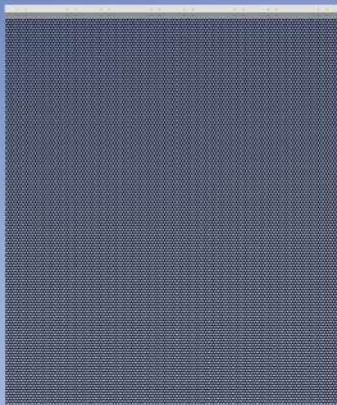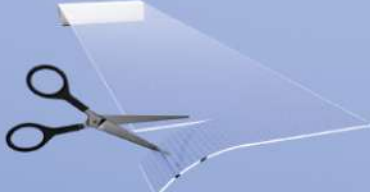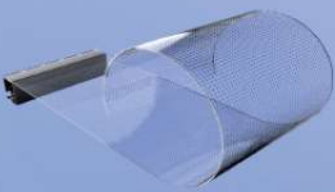# Holographic Invisible Display

Features

- PV Series Holographic LED Mesh by ONLY LED
- Turn Glass Windows into Digital Displays
- Perfect for retail, offices, exhibitions, hospitality, and more.
- Sizes: 1000x250mm, 1200x250mm, or customizable
- Features:Transparent visuals without blocking views

  Compact, lightweight, and easy to install
- Pixel Pitch: 3.91mm / 6.25mm I Brightness: 3,000cd/m^2

  Innovate your space with ONLY LED!

Product Parameter

Technical parameters of crystal film screen products

product specifications	PV-PH4-T-O/I-S	PV-PH5-T-O/I-S	PV-PH4-B-O/I-S	PV-PH6-T-O/I-S	PV-PH8-T-O/I-S	PV-PH10-T-O/I-S	PV-PH16-T-O/I-S
Pixel Pitch	4mm*4mm (x*y)	5mm*5mm (x*y)	4mm*8mm (x*y)	6mm*6mm (x*y)	8mm*8mm (x*y)	10mm*10mm (x*y)	16mm*16mm (x*y)
Pixel	62500 points / m²	40000 points / m²	31250 points / m²	27556 points / m²	15625points / m²	10000 points / m²	3844 points / m²
LED Specification	SMD1515 (Light drive integrated)		SMD2121 (Light drive integrated)				
Pixel Composition	1R1G1B						
Module Size	1000mm*240mm						
Module Resolution	250*60	250*48	250*30	166*40	125*30	100*24	62*15
Pixel Density	250*250/ m²	200*200/ m²	250*125/ m²	166*166/ m²	125*125/ m²	100*100/ m²	62*62/ m²
Transparency Rate	≥85%					≥90%	
LED module Wiring Method	Inner line (clean back)						
Weight	≤7 KG / m²						
White Balance Brightness	1000-1500cd/m²					1500-2000cd/m²	
Peak Power Consumption	800W/m²						
Average Power Consumption	About 280W / m² (on video source)		About 260W / m²(on video source)				
Refresh Rate	≥3840hz						
Grayscale Level	16Bit						
Brightness Control Level	0-255 degree						
Color Temperature	3200K-8500K (Adjustable)						
Frame Rate	≥60hz						
Viewing Angle	H-H140° V-V140 °						
Input Signal	DVI \ VGA, composite video						
Screen Control Method	Or synchronization box (computer control screen) or asynchronous box (WiFi connected to the mobile phone APP control screen, U disk control screen) Optional wide pressure						
Protection Level	Ip30						
Power Supply Requirements	AC 220±10%, 50-60hz (Optional wide pressure 110V and 9-36V)						
Operating Temperature	-20~50℃						
Theoretical Service Life	100000 Hours						

Technical parameters of holographic screen products

project	unit	PV-PH3.91-T-O/I-S	PV-PH3.91-B-O/I-S	PV-PH6.25-T-O/I-S
		Parameter		
Pixel Pitch	mm	Horizontal 3.91mm vertical 3.91mm	Horizontal 3.91mm vertical 7.82mm	Horizontal 6.25mm vertical 6.25mm
Pixel Composition	group	SMD black lamp 1515 light drive integrated package		
Resolution	Pixel /m²	65536	32768	25600
Unit module Size	mm	1000mm*250mm*/1500mm*250mm		
Screen Brightness	cd/m²	3000cd/1500cd		
Unit module Weight	kg	1.5kg		
module Weight	kg/m²	6kg		
module Thickness	mm	65		
Transparency Rate	%	92		
Max Power / Average Power	w/m²	800/500		
Grayscale Level	bit	16		
Contrast Ratio		9000:1		
Color Temperature	k	6500-9300k		
Brightness Adjustment	degree	256		
Horizontal/Vertical Viewing Angle	degree	≥140/≥120		
Optimal Viewing Distance	m	10-3000		
Refresh Rate	hz	≥3840		
Control Method		Asynchronous control		
Control Distance		100 m (network cable without relay) 500 m (multi-mode fiber) 10 km (single-mode fiber)		
Driving Method		Constant flow static		
Display mode		1920*1080		
designed life		≥100000Hours		
Heat Dissipation Method		Structure-reinforced natural convection (no air conditioning and fans)		
Operating/Storage Temperature		-20℃~+60℃ / -55℃ ~+100℃		
Operating Humidity	RH	10-90%		
Installation Form		Back mount or fixed installation		
Installation/Disassembly Speed		Rapid disassembly and assembly		
Maintenance Method		Front and rear installation and maintenance		

OnlyLED

All-in-One Direct View LED Displays

Model Number	OTV163IN	OTV136IN	OTV108IN
Pixel Pitch	1.87 mm	1.56 mm	1.25 mm
Pixel Configuration	3 in 1 SMD 1515	3 in 1 SMD 1010 or Mini LED 4in1	3 in 1 SMD 1010 or Mini LED
LED screen area (W × H)	3,600 x 2,022 mm	3,000 x 1,685 mm	2,400 x 1,348 mm
Screen Resolution (W × H)	1,920 × 1,080 Pixels	1,920 × 1,080 Pixels	1,920 × 1,080 Pixels
Frame color	Black (customize other colors)	Black (customize other colors)	Black (customize other colors)
Product overall dimensions (W × H × D)	3605mm* 2148mm*32mm	3,005mm* 1,811mm*32mm	2405mm* 1474mm*32mm
Screen Weight	≈165KG	≈118KG	≈80KG
No. of Cabinet per Screen (W × H)	6 × 6	5 × 5	4 × 4
No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	2 × 2
Cabinet Resolution (W × H)	320 x 180 pixels	384 × 216 pixels	480 × 270 pixels
Cabinet Dimensions (W × H × D)	600 × 337 × 32 mm	600 × 337 × 32 mm	600 × 337 × 32 mm
Flatness of Cabinet	± 0.2 mm	± 0.2 mm	± 0.2 mm
Cabinet Material	Die Casting Aluminum		
Service Access	Front		
Brightness (Max.)	800 to 1,000 cd/㎡		
Color Temperature	6,500		
Visual Viewing Angle (Horizontal)	160		
Visual Viewing Angle (Vertical)	140		
Brightness Uniformity	95%		
Color Uniformity	± 0.015 Cx, Cy		
Contrast Ratio	5,000 : 1		
Processing Depth	16 bit		
HDR Compatibility	HDR10, HDR10 Pro2)		
Power Consumption (W / Screen, Max.)	4,300 W	3,000W	2,000W
Power Consumption (W / Screen, Avg.)	1,300 W	900W	700W
Power Supply (V)	AC 100 - 240 V		
Frame Rate	50 / 60 Hz		
Refresh Rate	3,840 Hz		
Sound Output	Optional		
LED Lifetime (Half Brightness)	100,000		
Operating Temperature (°C)	0°C to 40°C		
Operating Humidity	10 % to 80 %		
Video Inputs	HDMI		
Special Features for option	Temperature Sensor, Ambient Light Sensor		
Basic Accessory	Data Cable, LAN Cable, Power Cord, Manual		
Optional Accessory	Screen wall-mount brackets, Floor Stand		

Features

Setting a New Standard for Conference Screens

ONLY LED's all-in-one LED screen delivers a bezel-free, high-definition (1920x1080) display with an elegant aluminum die-cast frame. Combining HDTV, a digital whiteboard, and video conferencing in one, it ensures seamless presentations and collaboration. Key features include a high refresh rate, 160° viewing angle, front serviceability, built-in controller with DVI/HDMI support, dual backup, and a 3-5 year warranty.

Application Scenarios: Conference rooms, studios, universities, and digital media spaces.

Projector

Computer

Microphone

Camera

Audio

Television

12:40

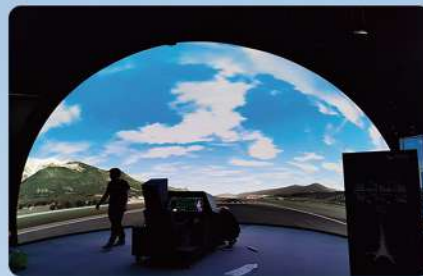![OnlyLED logo] **OnlyLED**

ONLY LED

Professional LED Display Manufacturer

Sphere-shaped LED Display

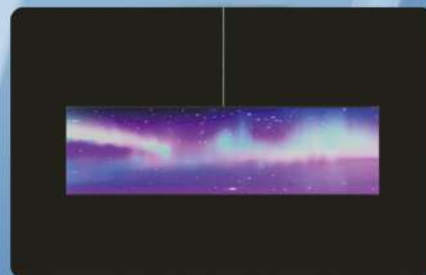
Inner Spherical LED Display

Ribbon-shaped LED Display

Trumpet-shaped LED Display

Smart Spherical LED Display

Ring-shaped LED Display

Contact us

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Customizable in Various Shapes and Multiple Models of LED Displays

Bottle-shaped LED Display

Heart-shaped LED Display

Tree-shaped LED Display

Newly Designed Custom-shaped LED Display

Flexible LED Modules,High Flexibility, Customizable in Various Sizes

✔ Customizable Sizes, Seamless Integration
✔ Wide Viewing Distance and Angles
✔ Vivid and Clear Colors with Strong Sense of Dimension
✔ Easy to Operate, Supports Remote Control

✔ Super Bright,Clear Image
✔ Good Color Reproduction
✔ Easy to Operate, Supports Remote Control
✔ Diverse Display Options

Basic Information

Product Name: Custom-shaped LED Display

Product Model：P1.25/P1.53/P1.86/P2/P2.5/P3/P4/P5/P6/P8/P10

Unit Board Weight: 0.2-0.4kg   Cabinet Weight: : 35-55kg/m²

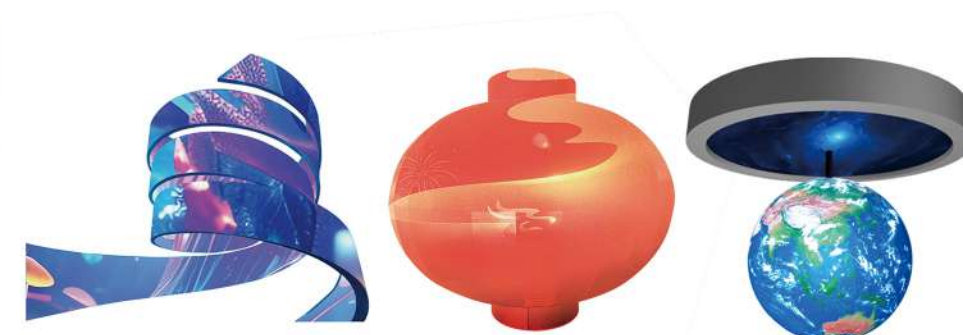Service Life: 100,000 hours

Main Specifications

Brightness：600-7000cd/m²

Refresh Rate：≥7680Hz

Viewing Angle：H: >160°, V: >160°

Protection Rating: Indoor IP45 / Outdoor IP65

### Custom-shaped LED Display Modules

LS Rental LED Screen Series

I Features

- Exquisite Appearance: Elegant die-casting magnesium alloy cabinets.

- Lightweight: Only 25 kg per sqm for easy transport.

- High Strength: Ensures stable and clear images.

- Easy Maintenance: Dual maintenance modes and modular design.

- Flexible Installation: Supports hanging, ground, wall, and curved setups.

- Waterproof Connections: Quick and secure for outdoor use.

- High Refresh Rate: Up to 3840Hz for smooth visuals.

- Long Lifespan: 100,000 hours with low malfunction rate.
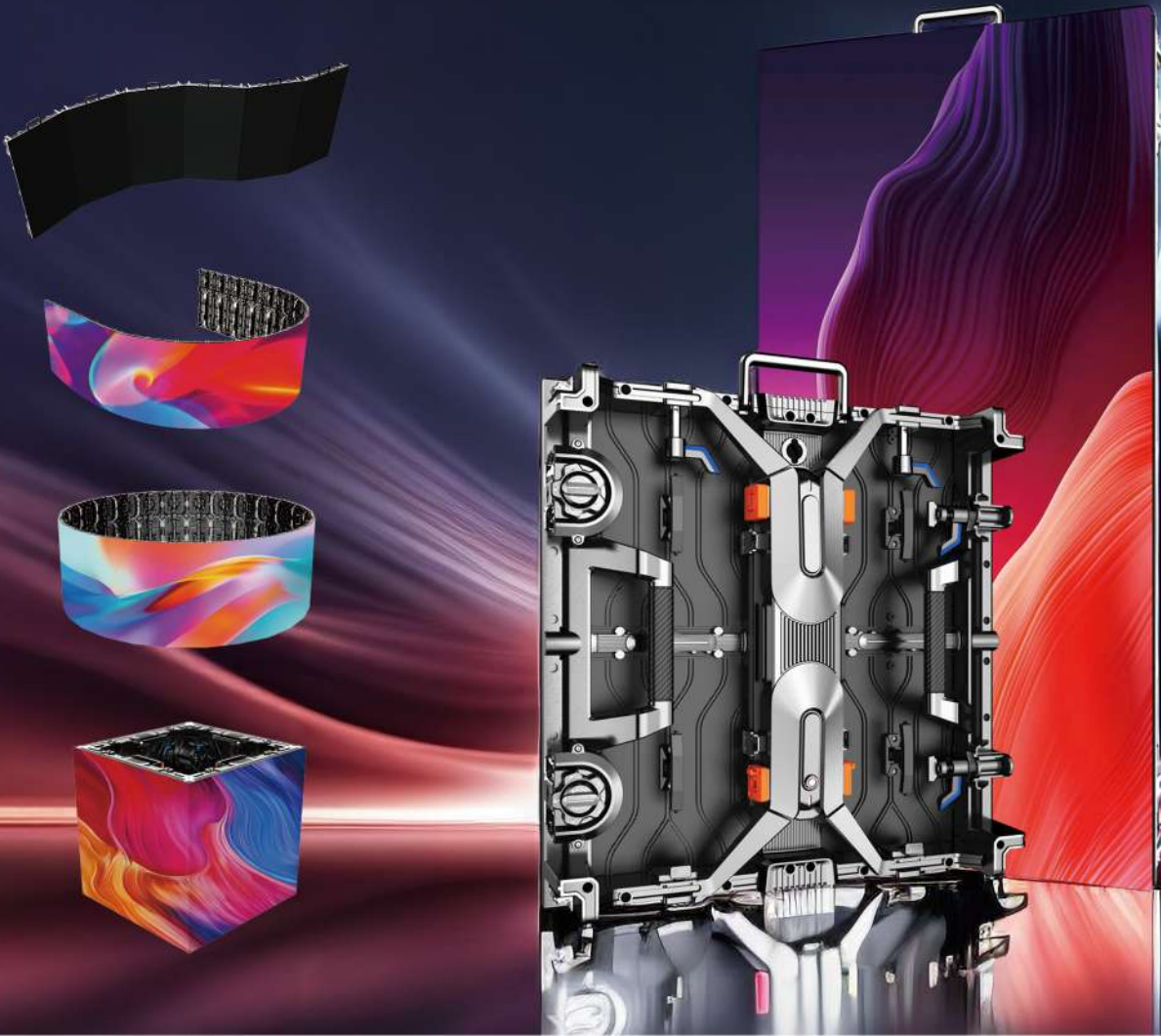
LS RentalLED Screen Series
Features
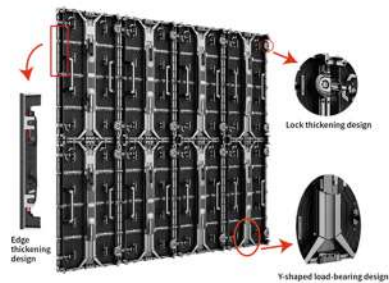
With excellent strength and durability, the "LUXE-SPECTRA" series can withstand external challenges, ensuring stable and clear images throughout events.

An LED cabinet consists of 4 or 8 LED modules, each operating independently. If one module fails, the rest of the display continues functioning properly. Each module supports both front and back maintenance for easy servicing.

Model Number	LS-PH2.60-OSS	LS-PH2.97-OSS	LS-PH3.91-OSS	LS-PH4.81-OSS
Pixel Pitch	2.604mm	2.976mm	3.91mm	4.81mm
LED Type	1415	1415	1921	1921
Module Resolution	96X96=9216 Pixels	84X84=7056 Pixels	64X64=4096 Pixels	52X52=2704Pixels
Scanning Method	1/24 Scan	1/21 Scan	1/16 Scan	1/13 Scan
Brightness	3500CD/m²	3500CD/m²	3600CD/m²	3500CD/m²
Pixel Density	147456/m²	112896/m²	65536/m²	43264/m²
Cabinet Resolution	36864 Pixels / 73728 Pixels	28224 Pixels / 56448 Pixels	16384 Pixels / 32768 Pixels	10816 Pixels / 21632 Pixels
Average Power Consumption of Cabinet	168W/m²	76W/m²	168W/m²	76W/m²
Maximum Power Consumption of Cabinet	500W/m²	280W/m²	500W/m²	280W/m²
Module Size	250mm X 250mm			
LED Module Input Voltage	5V			
Pixel Composition	1R1G1B			
Color Temperature	9000K~13000K Adjustable			
Horizontal/Vertical Viewing Angle	140°/ 120°			
Refresh Rate	1920Hz/3840Hz			
Frame Rate	60Hz			
Cabinet Size	500mmX 500mm /500mmX 1000mm			
Cabinet Weight (per sqm)	25kg			
Maintenance Method	Front/Rear Maintenance			
Cabinet Materials	Die-casting Aluminum			
Chromaticity/Brightness Correction	YES			
Power Supply Voltage	200V~240V			
Color Processing Bits	16Bit			
Contrast Ratio	18000:1			
Working Temperature	-20℃~50℃			
Storage Temperature	-30℃~60℃			
Working humidity	10%RH~98%RH			
Storage humidity	10%RH~98%RH			
Grayscale Level	16384 levels of logical output、256 levels of grayscale for GRT vision			
Lifespan	100,000 Hours			
Malfunction do rate	<0.0002，and 0 at the time of shipment			
Effective Communication Distanc	Ethernet cable 140m (without relay), multimode fiber 500m, single-mode fiber 20km			
Operating Environment	Outdoor			

Model Number	LS-PH1.95-SS	LS-PH2.50-ISS	LS-PH2.60-ISS	LS-PH2.97-ISS	LS-PH3.91-ISS	LS-PH4.81-ISS
Pixel Pitch	1.953mm	2.5mm	2.604mm	2.976mm	3.91mm	4.81mm
LED Type	1515	1515	1515	2020	2020	1921
Module Resolution	128X128=16384 Pixels	100X100=10000 Pixels	96X96=9216 Pixels	84X84=7056 Pixels	64X64=4096 Pixels	52X52=2704 Pixels
Scanning Method	1/32 Scan	1/25 Scan	1/32 Scan	1/28 Scan	1/16 Scan	1/13 Scan
Brightness	650CD/m²	650CD/m²	650CD/m²	650CD/m²	650CD/m²	3500CD/m²
Pixel Density	262144m²	160000m²	147456m²	112896m²	65536m²	43264m²
Cabinet Resolution	65536 Pixels /262144 Pixels	40000 Pixels /80000 Pixels	36864 Pixels /73728 Pixels	28224 Pixels /56448 Pixels	16384 Pixels /32768 Pixels	10816 Pixels /21632 Pixels
Average Power Consumption of Cabinet	235W/m²	168W/m²	76W/m²	235W/m²	168W/m²	76W/m²
Maximum Power Consumption of Cabinet	700W/m²	280W/m²	280W/m²	700W/m²	500W/m²	280W/m²
Module Size	250mm×250mm					
LED Module Input Voltage	5V					
Pixel Composition	1R1G1B					
Color Temperature	9000K~13000K Adjustable					
Horizontal/Vertical Viewing Angle	140°/120°					
Refresh Rate	1920Hz/3840Hz					
Frame Rate	60Hz					
Cabinet Size	500mm×500mm/500mm×1000mm					
Cabinet Weight (per sqm)	25KG					
Maintenance Method	Front/Rear Maintenance					
Cabinet Materials	Die-casting Aluminum					
Chromaticity/Brightness Correction	YES					
Power Supply Voltage	200V~240V					
Color Processing Bits	16Bit					
Contrast Ratio	18000:1					
Working Temperature	-20℃~-50℃					
Storage Temperature	-30c~60° c					
Grayscale Level	16384 levels of logical output、256 levels of grayscale for GRT vision					
Lifespan	100,000 Hours					
Malfunction do rate	<0.0002,and 0 at the time of shipment					
Effective Communication Distanc	Ethernet cable 140m (without relay),multimode fiber 500m, single-mode fiber 20km					
Operating Environment	Indoor					