2022
Transparent LED Display Screen Catalog

HuaKe / LED Display

HUAKE LED Display Guide

Contents

About Us

Be founded in the year of 2010, ShenZhen HuaKe Light Electronics Co., Ltd has devoted over 10 years all in the field of LED Display and LED Lighting, and has developed into a high-tech enterprise which is committed to growing to be a worldwide innovation brand of Chinese LED Display & Lighting that having a series of private brands.

Key Facts to Know

* HUAKE has built a mature and stable product development system, and obtained more than 20 utility model patents

* HUAKE has complete and stable QA quality control system and supply chain system, and obtain ISO9001:2015 authorization;

* The HUAKE office 50-100 staff, oversea sales to over 15 countries with an average over US$1,950,000 monthly turnover and US$2,900,000 for LED display and US$1,580,000 for LED lighting , we are expanding fast.

* Aiming to provide our clients with first-rate service and products — we'll provide you like Custom LED Designs, Project Consulting, 24-hours online pre-sales contact, quick after-sales support, and no evasive warranty policy.

Transparent LED Display

A Transparent LED Screen is ideal for indoor window displays and are commonly used for reinforcing a brand. To advertise or to inform, these screens are an excellent option for anyone who wishes to display content in style without blocking out light or the view on both sides. It allows designers to offer a screen solution for retail buildings with a focus on glass architecture without detracting from the overall design..

Transparency

Transparent rate up to 75%.
Traditional LED window displays act as a dark wall, so shoppers can't see in, and they block sunlight, so your indoor areas need to rely on unnatural lighting.
The Transparent LED screen allow people by both sides of the display can see each other.

Indoor and Outdoor Brightness

With brightness range from 800cd/m^2 to 6000cd/m^2, 10000cd/m^2, the Transparent LED Screens are visible for both indoor and outdoor daylight from a great distance.

Modular Design

The transparent display screen are comes in size 1000x1000, 1000x500mm, or 500x500, which is designed in order to facilitate the LED display screen that constitutes a square meter unit.

Front Access to maintenance

The small LED display modules that are fixed by screws on the Cabinet structure, that can be easily take off for maintain purpose.

Easy set up and installation

Using lightweight engineered aluminum, the Transparent LED Screen is only 8.5-14kgs/sqm. With fast lock / screws, and plug-in connectors, just need to pull and push, then plug and play.

Installation Method

The transparent LED display panels can be fixed mounting, pendant mounting and floor-stand mounting.
Fixed mounting: make the structure with metal square tube, then fix the transparent display cabinet by screws and fastening piece.
Pendant mounting: fix the transparent LED display with the compatible hanging beam unit.
Floor-standing mounting: need to make compatible support.

Customized or Out of Box

Besides standard size cabinet panels, the Transparent LED display can also be customized to fit abnormal shapes or sizes.
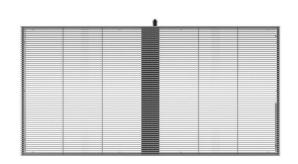
Benefits LED Transparent
* Video visible in full sunlight and keep transparency
* See through from the inside as well
* Easy applied on inside of glass
* Real live video images in glass
* No issue with permissions from governments
* Easy to install and replace LEDS
* No limits in size
* Plug and play with PC, server, or others
* Any file can be visualized mp4, 3D, 2D, videos, in HD

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aClear series / **Front-emitting** / Indoor, Thin Aluminum Profile Cabinet

SKU	Pixel Pitch	Cabinet Size	Poster Pixels	Transparency	LED	Brightness	Power Consumption	IP Grade
HKaC-P3/7-LA	3.91x7.81	500x500mm	8192dots	62%	SMD2121	1500cd/m²	Max.800W, Avg.240W	IP30
HKaC-P3/7-HA	3.91x7.81	500x500mm	8192dots	62%	SMD1921	4500cd/m²	Max.800W, Avg.240W	IP30
HKaC-P3/7-LB	3.91x7.81	1000x500mm	16384dots	62%	SMD2121	1500cd/m²	Max.800W, Avg.240W	IP30
HKaC-P3/7-HB	3.91x7.81	1000x500mm	16384dots	62%	SMD1921	4500cd/m²	Max.800W, Avg.240W	IP30
HKaC-P3/7-LC	3.91x7.81	1000x1000mm	32768dots	62%	SMD2121	1500cd/m²	Max.800W, Avg.240W	IP30
HKaC-P3/7-HC	3.91x7.81	1000x1000mm	32768dots	62%	SMD1921	4500cd/m²	Max.800W, Avg.240W	IP30
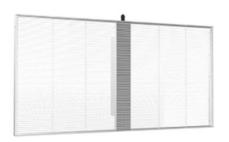
Features:

* Cabinets size option: 1000x1000, 1000x500, 500x500 (mm)

* Cabinets finish color option: black or silver

* 62% transparent rate (with front-emitting LEDs design)

* Brightness option: complete indoor 1500cd/m² ; 4500cd/m² fit for indoor use but by the windows with sun shining on

* Suspending or Floor-standing, or wall fixed installation (need different mounting hardware, need to purchase separately)

sClear series / **Side-emitting** / Indoor, Thin Aluminum Profile Cabinet

| SKU	Pixel Pitch	Cabinet Size	Poster Pixels	Transparency	LED	Brightness	Power Consumption	IP Grade
HKsC-P3/7-HA	3.91x7.81	500x500mm	32768dots	82%	SMD3510	5500cd/m²	Max.800W, Avg.240W	IP30
HKsC-P3/7-SB	3.91x7.81	1000x500mm	16384dots	82%	SMD3510	5500cd/m²	Max.800W, Avg.240W	IP30
HKsC-P3/7-SC	3.91x7.81	1000x1000mm	32768dots	82%	SMD3510	5500cd/m²	Max.800W, Avg.240W	IP30

Features:

* Cabinets size option: 1000x1000, 1000x500, 500x500 (mm)

* Cabinets finish color option: black or silver

* 82% transparent rate (with side-emitting LEDs design)

* Up to 5500cd/m² brightness which is fit for dry location use but need high brightness

* Suspending or Floor-standing, or wall fixed installation (need different mounting hardware, need to purchase separately)

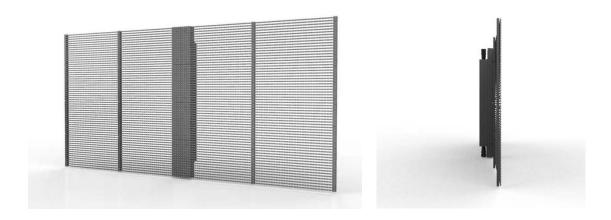# aFClear series / **Front-emitting** / Indoor, Frameless Thin Aluminum Profile Cabinet

SKU	Pixel Pitch	Cabinet Size	Poster Pixels	Transparency	LED	Brightness	Power Consumption	IP Grade
HKaFC-P3/7-HB	3.91x7.81	1000x500mm	16384dots	62%	SMD1921	4500cd/m²	Max.800W/m² , Avg.240W/m²	IP30

Features:

* Frame-less design cabinet, ideal for shop French windows. There is no frame at four sides, the power box is in the middle.

* Cabinets size option: 1000x1000 (mm)

* Cabinets finish color option: black or silver

* 62% transparent rate (with front-emitting LEDs design)

* Brightness option: complete indoor 1500cd/m² ; 4500cd/m² fit for indoor use but by the windows with sun shining on

* Suspending or Floor-standing, or wall fixed installation (need different mounting hardware, need to purchase separately)

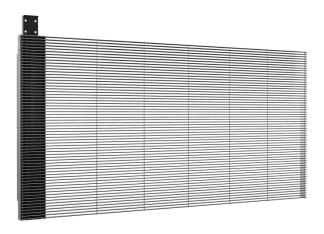# aSClear series/ **Side-emitting** / Indoor, Frameless Thin Aluminum Profile Cabinet

SKU	Pixel Pitch	Cabinet Size	Poster Pixels	Transparency	LED	Brightness	Power Consumption	IP Grade
HKaSC-P3/7-HB	3.91x7.81	1000x500mm	16384dots	82%	SMD3510	4500cd/m²	Max.800W/m² , Avg.240W/m²	IP30

Features:

* Frame-less design: the power box is designed at one side of the cabinet, when combine into a big screen there is no big bar in the middle, , provide a better visual experience

* Cabinets size option: 1000x500 (mm)

* Cabinets finish color option: black or silver

* 82% transparent rate (with side-emitting LEDs design)

* Up to 5500cd/m² brightness which is fit for dry location use but need high brightness

* Suspending or Floor-standing installation (need different mounting hardware, need to purchase separately)

Irregular Shaped Transparent LED Display Screen

Irregular Shaped Transparent LED display screen

Accept Custom Works for All Irregular Shaped LED display screens:
Cylinder LED Display
Circular LED Display
Cubic LED Display
Sphere LED Display

How to Start to Customize Your LED Display

Step 1: Provide your desired LED display drawing, we need to know the shape and detailed dimension. Also we need to know the what pixel pitch and how will you install the LED display.

Step 2: Once we get enough information, our engineer will analyse and give solution about how to realize. Like what shapes of modules will need; how many of each shape; how many module PCB mould need to make; and program budget.

P.S. If there is difficulty to realize a desired LED display from clients, our team will provide a viable alternative solutions. In a word, we will do the best to help clients to achieve results by the most economically feasible way.

Glass Adhesive Transparent LED Display Screen

High permeability rate
The permeability can reach more than 85% without any visual impact on the original building

One light flooding
Light drive in one, 16Bit gray level, so that the screen to restore the true color

Flexible
Strong flexibility, can be bent, can be attached to the curved building curtain wall

Super light thin
Thickness 4mm, weight only 5KG/㎡

Product Parameters

Model	P4-4	P4-8	P6-6	P8-8	P10-10	P16-16	P20-20	P20-40
Pixel Pitch（mm）	4-4	4-8	6-6	8-8	10-10	16-14	20-20	20-40
Optimum View distance(m)	5-100	6 -100	8-100	12-100	15-120	25-150	30-150	30-150
Screen Unit Size（mm）	960mmx640mm / 960mmx320mm (Size can be customized according to project requirements)							
Material	Flexible acrylic panel + aluminum profile							

*The parameters vary slightly according to the configuration.

Outdoor Transparent LED Mesh Display

Outdoor Transparent LED Mesh

oClear Series transparent LED Mesh display that can be placed in or outside a glass window without sacrificing natural light in your space. LED Mesh outdoor facade is durable, lightweight, and can make any custom shape! Standard LED mesh mainly used for the big outdoor area where high resolution is not necessarily required.

Transparency
Transparent rate up to 70%.
Traditional LED window displays act as a dark wall, they block sunlight, so your indoor areas need to rely on unnatural lighting.

Waterproof IP65 Rated with Outdoor Brightness
Designed for outdoor use with brightness range from 3000nits to 10000nits, the Transparent LED Mesh Screens are visible for both indoor and outdoor daylight from a great distance.

Modular Design
The transparent display screen are comes in size 1000x1000, 1000x500mm, or 1500x250, which is designed in order to facilitate the LED display screen that constitutes a large screen.

Front Access to maintenance
The small LED display modules that are fixed by screws on the Cabinet structure, that can be easily take off for maintain purpose.

Easy set up and installation
Using lightweight engineered aluminum, the Transparent LED Screen is only 11-14kgs/sqm. With fast lock / screws, and plug-in connectors, just need to pull and push, then plug and play.
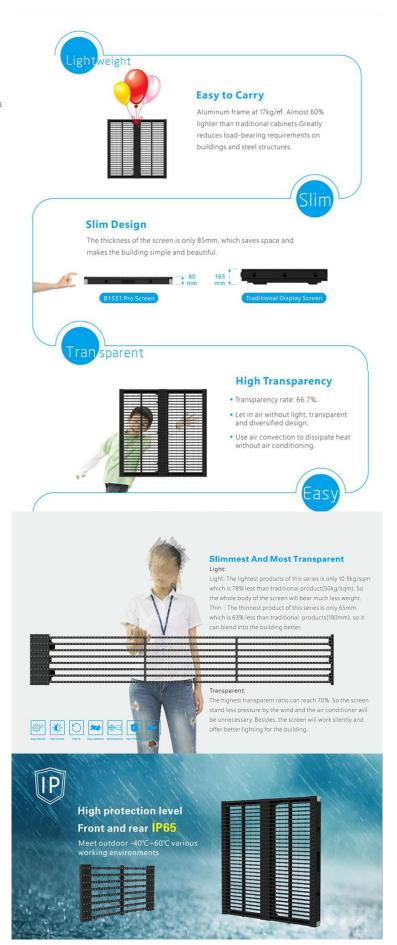
Installation Method
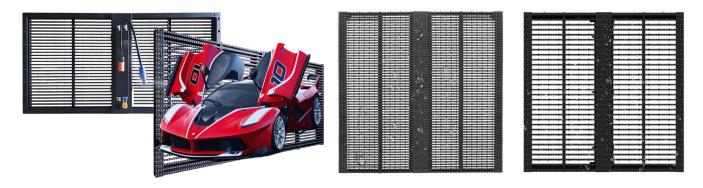The transparent LED Mesh display panels can be fixed mounting, pendant mounting..
Fixed mounting: make the structure with metal square tube, then fix the transparent display cabinet by screws and fastening piece.

Customized or Out of Box
Besides standard size cabinet panels, the Transparent LED display can also be customized to fit abnormal shapes or sizes.

Lightweight

Easy to Carry
Aluminum frame at 17kg/㎡. Almost 60% lighter than traditional cabinets.Greatly reduces load-bearing requirements on buildings and steel structures.

Slim

Slim Design
The thickness of the screen is only 85mm, which saves space and makes the building simple and beautiful.

85 mm — B1531 Pro Screen
165 mm — Traditional Display Screen

Transparent

High Transparency
- Transparency rate: 66.7%.
- Let in air without light, transparent and diversified design.
- Use air convection to dissipate heat without air conditioning.

Easy

Slimmest And Most Transparent
Light:
Light: The lightest products of this series is only 10.9kg/sqm which is 78% less than traditional product(50kg/sqm). So the whole body of the screen will bear much less weight.
Thin : The thinnest product of this series is only 65mm which is 63% less than traditional products(180mm). so it can blend into the building better.

Transparent:
The highest transparent ratio can reach 70%. So the screen stand less pressure by the wind and the air conditioner will be unnecessary. Besides, the screen will work silently and offer better lighting for the building.

Easy Maintain   High Contrast   High Hd   Easy Installation   Big Perspective   High Protection

IP

High protection level
Front and rear IP65
Meet outdoor -40℃~60℃ various working environments

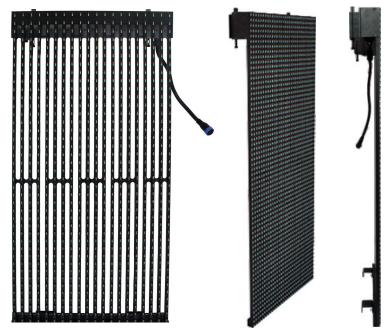# oClear Outdoor / Pro Series / Transparent LED Mesh

Features:
* Power box is in the middle
* IP65 waterproof for outdoor use
* Single unit size: 1000x500 (mm), 1000x1000(mm), with air plug that plug together and combine into big video wall
* Energy-saving : Better heat-dissipation as the see-through and aluminum structure design
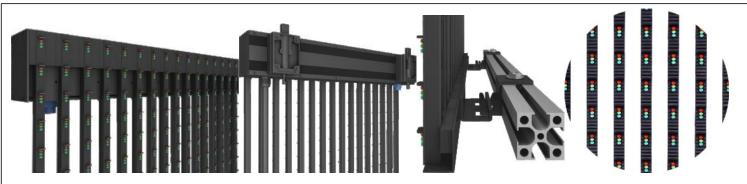* Super light weight, 60-80% lighter than traditional screen;

| Part #	HKoC-Pro7.8/15	HKoC-Pro15/15	HKoC-Pro15/31
Pixel Configuration	SMD2727	DIP570	DIP570
Pixel Pitch (mm)	(W)7.81-(H)15.625	15.6x15.6	15.625X31.25
Pixel matrix per panel	128x32	64x64	64X32
Cabinet Dimensions (LxWxH)/ (mm)	1000x500x65	1000X1000X85	1000X1000X85
Module Dimensions (LxWxH)/ (mm)	1000x500x65	500X250X25	500X250X25
Transparency Rate	65%	\	66.70%
Panel material	Dia-casting Aluminum	Aluminum profile	Aluminum profile
Cabinet weight (kg/panel)	15kgs/SQM	23kgs/SQM	17kgs/SQM
Refresh Rate (Hz)	1920HZ/3840HZ	1920	1920
Brightness (cd/m²)	>6000	7000	7000
IP rating (Front/Rear)	IP65	IP65	IP65
Cabinet installation type	Fix	Fix	Fix

oClear Outdoor / KP Series / Outdoor LED Mesh

Features:
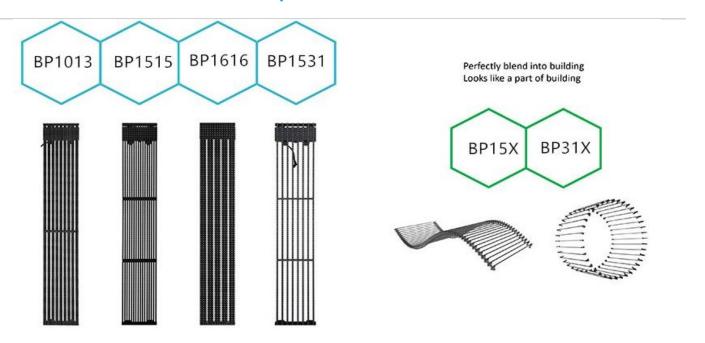
* Power box is at one side
* IP65 Waterproof for outdoor use
*Super light weight, 60-80% lighter than traditional screen;
*Energy-saving : Better heat-dissipation as the see-through and aluminum structure design
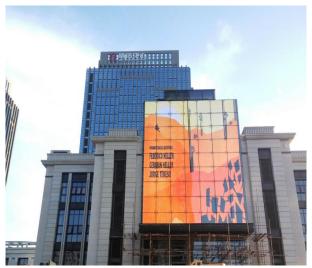* Modular Design: Cabinet Size Available in 1000x500(mm), 500x500(mm)

| Part #	HKoC-KP1208	HKoC-KP1515	HKoC-KP1531	HKoC-KP1616	HKoC-KP2020	HKoC-KP3125
Pixel Configuration	SMD2727	DIP346	DIP346	DIP346	DIP346	DIP346
Pixel Pitch (mm)	12.5X8.33	15.6X15.6	15.625X31.25	16.67X16.67	20x20	31.25x31.25
Pixel Density (dots/m²)	9600	4096	2048	3600	2500	1024
Cabinet Dimensions (mm)	1000x500	1000x500 / 500x500	1000x500	1000x500	1000x500	1000x500
Transparency Rate	26%	45.00%	65.00%	40.00%	45%	55%
Cabinet weight (kgs/sqm)	15	18	16	19	16	16
Refresh Rate (Hz)	1920	1920	1920	1920	1920	1920
Brightness (cd/m²)	6000	9000	6000	7000	6000	6000
Max Power (watt/m²)	800	600	500	500	400	480
IP rating (Front/Rear)	IP65/IP65	IP65/IP65	IP65/IP65	IP65/IP65	IP65/IP65	IP65/IP65

oClear Outdoor / BP Series / Transparent LED Mesh

Perfectly blend into building
Looks like a part of building
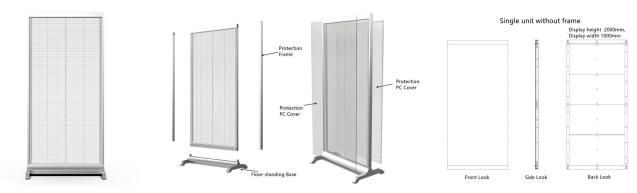
Part #	HKoC-BP1013	HKoC-BP1515	HKoC-BP1531	HKoC-BP1616	HKoC-BP15X	HKoC-BP31X
Pixel Configuration	DIP570	DIP570	DIP570	DIP570	DIP570	DIP570
Pixel Pitch （mm）	10.4X13.8	15.6X15.6	15.625X31.25	16.6X16.6	15.625	31.25
Pixel matrix per panel	144X18	96X16	96X8	90X15	\	\
Cabinet Dimensions （mm）	1500X250X66	1500X250X70	1500X250X65	1500X250X68	\	\
Module Dimensions （mm）	\	\	\	\	1500X15X80	1500X18X80
Transparency Rate	17.20%	45.00%	70.00%	16.00%	\	\
Cabinet weight (kg/panel)	9.2	6.9	4.1	7.8	0.5	0.48
Gray Scale per Color （level）	16384	65536	65536	16384	65536	65536
Refresh Rate （Hz）	1920	1920	1920	1920	1920	1920
Brightness （cd/m²）	6500	7000	6000	7000	5000	3000
Horizontal Viewing Angle （°）	110	110	110	110	110	110
Optimal Vertical Viewing Angle （°）	55	55	55	55	55	55
IP rating (Front/Rear)	IP65/IP65	IP65/IP65	IP65/IP65	IP65/IP65	IP65/IP65	IP65/IP65

Transparent LED Poster - Floor-Standing

Single unit without frame

Display height 2000mm,
Display width 1000mm

Protection Frame

Protection PC Cover

Protection PC Cover

Floor-standing Base

Front Look   Side Look   Back Look

Small pixel pitch transparent LED Poster Display

P2.8 Advertising machine transparent screen is a transparent LED screen that can be applied to different scenarios.

It can be quickly installed and used, and the content can be controlled by mobile phone.

It perfectly realizes the integration of screen and building, and integrates media functions into the building without damaging the appearance of the building.

With transparent display, HD pixel, seamless screen, energy saving and environmental protection features.

Spec.

Display Area: Width 1000mm, Height 2000mm

Note: The display area can be customized multiple of 500mm

Pixel Pitch: 2.8mm

Brightness: >1000 (cd/m²)

Indoor use

Voltage: 100-240VAC

Transparent LED Poster - Suspending for Store Windows

Product Introduction

Transparent LED Display Screen adopt side-emitting SMD LED, specially designed for shopwindow.
Display Screen unit size in 700x1000mm, Up to 82% high tranparency rate, Easy to install and control.

1152mm

762mm

Intelligent cloud control | APP Controlled

Plug and Play | Built-in Video Controller

网线/HDMI

Not Blocking Light | 82% Transparency Rate

Wide Viewing Angle | 160°

Vivid Colors | High Contrast Ratio and Refresh Rate

1.6mm

82%通透率

7.8mm

160°观看角度

Application

Parameters

Pixel Pitch	3.91-7.81mm
Pixel Density	22528
LED	3510
Brightness	>5000nits
Refresh Rate	3840HZ
Average Power	240 W/m²
Max Power	800 W/m²
IP Grade	IP30
Weight (unit)	25kgs
Size	762x1152x40mm

HuaKe

Your LED Maker !

Website: www.360digitalsignage.com / www.led.app
Email: info@360digitalsignage.com /

 info@led.app
Mobile / Wechat / WhatsApp: 0086-133-0296-0992