

科而美集团

CHARMING GROUP

美国公司

C&E TECH USA INC

9228 Ruch Street, South El Monte, CA 91733

MADRIX·中国

MADRIX CHINA

佛山市南海区润智科技园 4 栋 12 层
12th Floor, Building 4, Runzhi Science and Technology
Park, Nanhai District, Foshan City

广东科而美光电有限公司

CHARMING CO.,LTD

佛山市南海区润智科技园科而美总部
CHARMING Headquarters of Runzhi Science and
Technology Park, Nanhai District, Foshan City

☎ VIP LINE

020-8111 6369 / 0757-8111 6360



特别声明 / DECLARATION

本画册版权归广东科而美光电有限公司所有，未经授权，任何人不得转载使用，画册最终解释权归广东科而美光电有限公司所有。

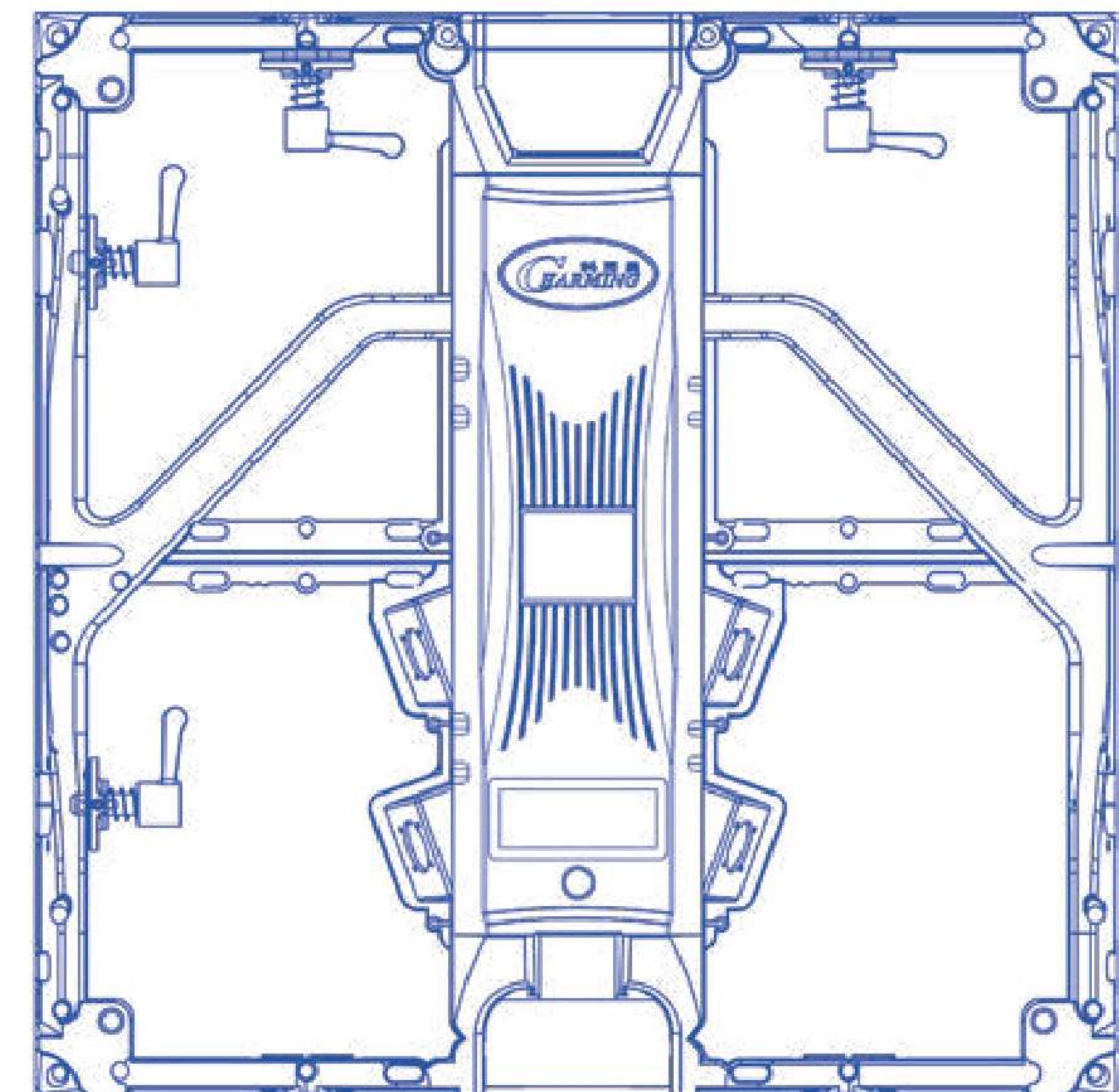
The copy right of this catalogue belongs to Charming Co.,Ltd without agreeemet,the using or copy of this catalogue is forbidden,the final explanation right belongs to Charming Co., Ltd.

广东科而美光电有限公司

CHARMING CO.,LTD

租赁商显

RENTAL & COMMERCIAL LED DISPLAY



科而美·成就美
Charming Technology achievement beauty

科而美

产品案例画册

租赁商显

广东科而美光电有限公司

CHARMING CO.,LTD

WWW.CHARMINGLED.NET

广东科而美光电有限公司

想要大屏美，就选科而美！

CHARMING GROUP

科而美集团



创立于2003年的CHARMING LED (科而美光电), 是一家专注于LED应用技术创新与服务的高新技术企业; 企业集研发、生产、营销及综合服务于一体, 经过二十年的沉淀与成长, 产品已畅销全球150多个国家与地区。并在全球建立了多个战略合作及分支机构, 至今已取得多项认证与近百项专利, 已经发展成为国际一流的娱乐商显LED智造商。

公司秉承“科而美·成就美”的理念一路在前行的道路上, 始终坚持“务实、开放、创新、守正!”的核心价值观, 为实现“成为公众创业平台、成为一流的光电企业、成为社会发展的贡献者”的愿景而不懈努力!

Founded on August 28, 2003, CHARMING LED is a high-tech enterprise focusing on LED application technology innovation and services; the company integrates R&D, production, sales and comprehensive services. After twenty years of development, Accumulation and growth, the products have been sold in more than 150 countries and regions around the world and many branches have been established around the world. So far, they have obtained nearly 100 certifications and patents; they have developed into a world-class Entertainment & Commercial Display LED Intelligent Manufacturer.

The company adheres to the concept of“Pragmatism,Openness,Innovation,Integrity”, for the realization of“To become a public entrepreneurship platform, To become a first-class optoelectronic enterprise, To become a contributor to social development” vision and unremitting efforts!



娱乐·商显LED智造商
ENTERTAINMENT·COMMERCIAL
LED DISPLAY INTELLIGENT MANUFACTURER



2003

成立于2003
SINCE TO 2003

150⁺

产品畅销150+国家和地区
PRODUCTS SELL WELL
IN 150+ COUNTRIES AND REGIONS



集团总部 / CHARMING GROUP



广东科而美光电有限公司 / CHARMING CO.,LTD



美国公司/C&E TECH USA INC



MADRIX-中国/MADRIX-CHINA



使命

让视界更美



理念

科而美·成就美



定位

娱乐商显LED智造商



品牌价值口号

想要大屏美, 就选科而美!



MISSION

Create a more beautiful
visual feast for the world



PHILOSOPHY

Charming technology
achievement beauty



POSITION

Entertainment & Commercial
LED display intelligent
manufacturer



SLOGAN

Choose CharmingLED
for the best screen !



人才观

同梦想, 德为先, 德才兼备



价值观

务实、开放、创新、守正!



愿景

成为公众创业平台
成为一流的光电企业
成为社会发展的贡献者



宗旨

人人负责任
人人成为经营者
人人成为受益者



TALENT VIEW

Same dream, morality first
morality and talent both



VALUE

Pragmatism,Openness,Innovation, integrity



VISION

Become a public
entrepreneurship platform
Become a first-class
optoelectronic enterprise
Be a contributor to social
development



PURPOSE

Everyone is responsible
Everyone is the operator
Everyone is the beneficiary

CORPORATE HONOR

企业荣誉

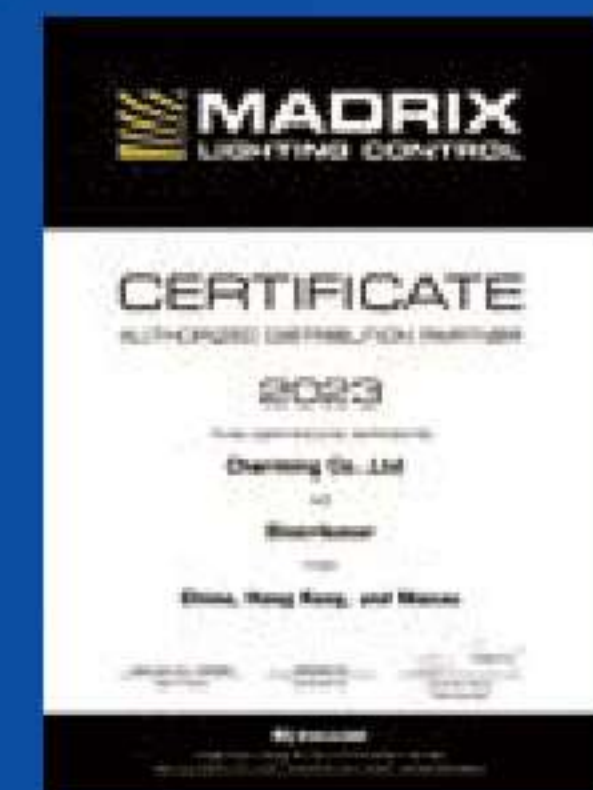


科而美先后获得了“广东省专精特新企业”、“广东省高新技术企业”、“佛山市瞪羚企业”、“创新型中小企业”、“广东省守合同，重信用企业”、“团体标准起草单位”、“广东省湖南商会”副会长单位、“广东省湖南商会演艺设备专委会”会长单位等荣誉证书以及CE、CB、BIS、RoHS、ISO、CCC等国内外认证证书和上百项研发专利证书。

Charming has successively obtained honorary certificates such as “Guangdong Province Specialized, Refined, Unique and New Enterprise”, “Guangdong High-tech Enterprise”, “Foshan Gazelle Enterprise”, “Innovative Small and Medium-sized Enterprises”, “Guangdong Province contract-abiding and credit-worthy Enterprise”, “Group Standard drafting Unit”, “Guangdong Hunan Chamber of Commerce” Vice President Unit, “Guangdong Hunan Chamber of Commerce Performing Arts Equipment Special Committee” President Unit, as well as CE, CB, BIS, RoHS, ISO, CCC and other domestic and foreign certification certificates and hundreds of R&D patent certificates.



20 20年品牌沉淀
55 55项资质证书
186 186项研发专利和产品认证



INTELLIGENT MANUFACTURING

智能智造

科而美生产基地占地面积一万多平方米, 秉承-自动化-智能化的精益制造理念, 引进全球最新的自动化生产设备, 包括全自动印刷机, SPI锡膏检测机, AOI光学检测仪, 高速贴片机, 三星S2模组贴片机等行业最新最先进的设备。从研发、实验、设备、材料、工艺、流程、品控、检测、老化, 科而美始终坚持严谨的ISO工作准则, 严格保证产品品质。

CHARMING LED'S production base covers an area of more than 10,000 square meters, adhering to the concept of automated-intelligent lean manufacturing, and has introduced the latest automated production equipment in the world, including automatic printing machines, SPI solder paste inspection machines, AOI optical detectors, and high-speed placement machine, Samsung S2 module placement machine and other industry's latest and most advanced equipment. from research and development, experiments, equipment, materials, craftsmanship, processes, quality control, testing, and aging, CHARMING LED always adhered to strict ISO working principles and strictly guarantees product quality.



自动化 / 智能化
Automatic / Intelligent



无尘车间
Dust-free workshop



快速交付
Fast delivery



10,000+m²生产基地
more than 10,000 SQM
manufacturing base



发展新动向 New Develop Trend

市场创新，资源整合，
实现全球品牌服务体系端对端经营，
点对点服务，内外兼修共创共赢，
打造全球最具影响力的品牌

Market innovation,resource
integration,realization of globalbr
and service system, preciservice
operation,internal and external
training,create a win-win situation
and build the world's most
influential brand.

目录 CONTENTS

A 企业篇

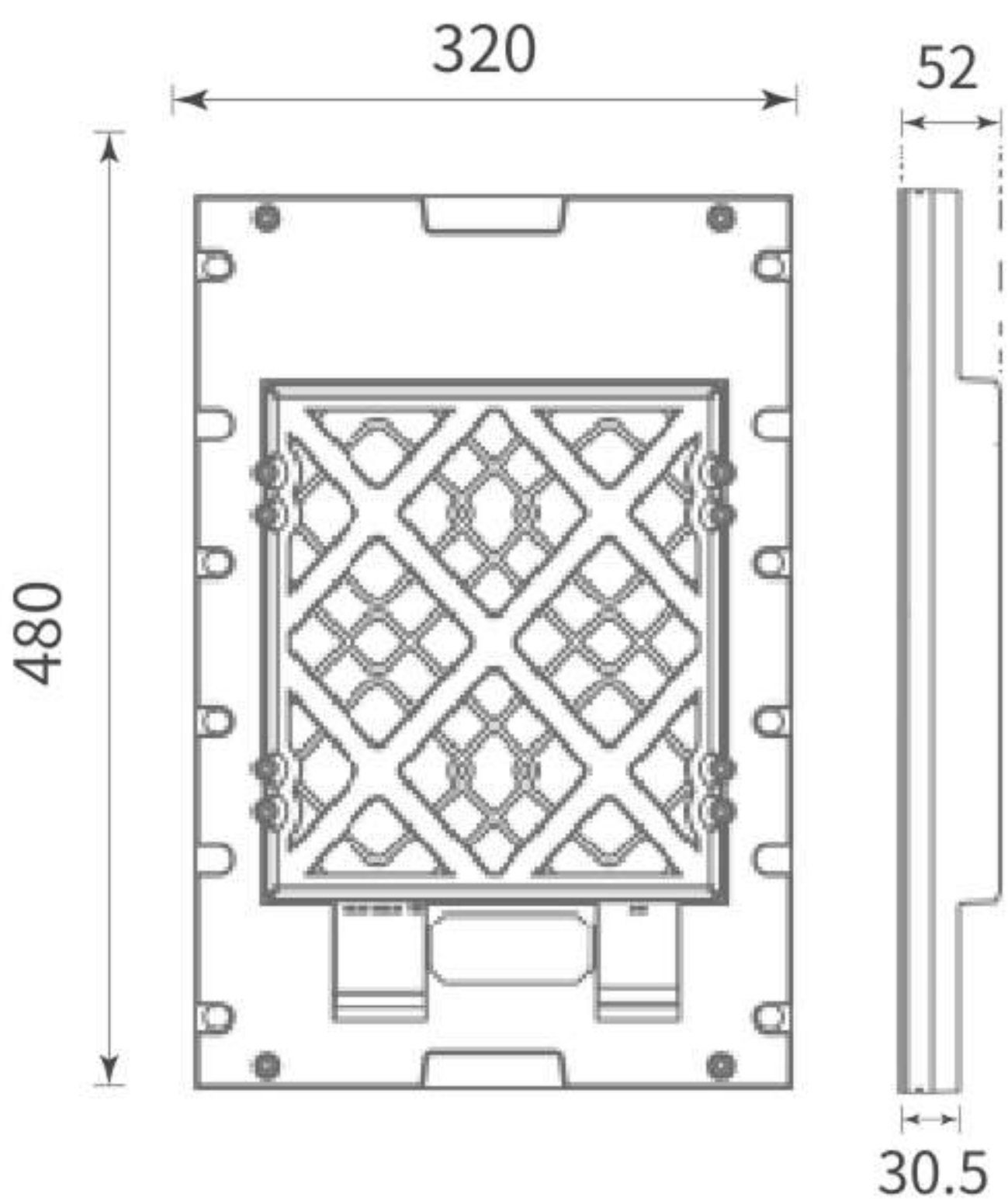
About us 关于我们	03-04
Corporate Honor 企业荣誉	05-06
Intelligent Manufacturing 智能制造	07-08
New Develop Trend 发展新动向	09-10

B 产品篇

P1.86/P2/P2.5Small pitch - C series 小间距-C系列	11
P1.9/P2.6/P2.98/P3.91 CP Series CP系列	12
P3.91/P6.25LED Holographictransarentscreen P3.91/P6.25全息透明屏...	13-14
P3.91-K series P3.91-K系列	15-16
LED Small Pitch-S Series LED小间距-S系列	17-18
LED Self-cooling outdoor screen LED自散热户外屏	19-20
P3.91-MH series Transparent Screen P3.91-MH款透明屏	21
LED Stadiumdisplay LED球场屏	22
P3.91 Video Floor Tiles P3.91地砖屏	23-24
Introduction Of Controller 控制系统简介	25-26

C 案例篇

Project Case 案例展示	27-44
-------------------------	-------



Unit:mm

P1.86/P2/P2.5 Small pitch - C series

P1.86/P2/P2.5
小间距-C系列



HD Display



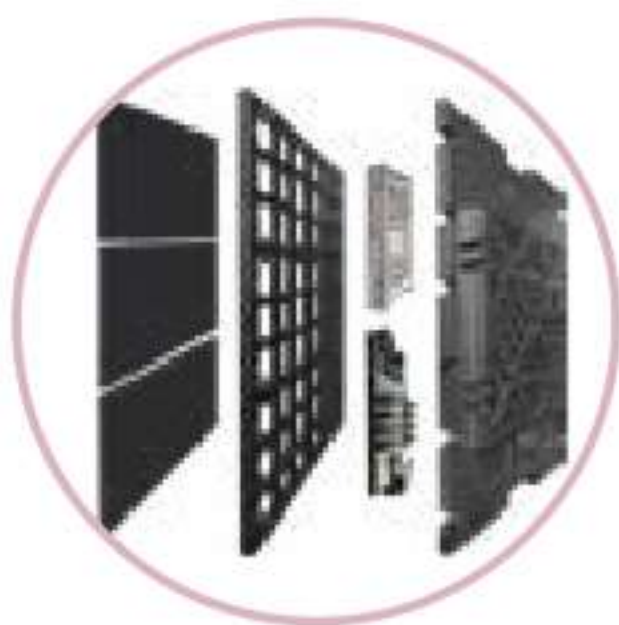
Seamless Splicing



Front Maintenance



Silent operation



Integrated module, receiving card, and power supply. Reserve interfaces to reduce external cables. More concise overall

模组、接收卡、电源集于一体预留接口，减少外部排线，整体更简洁



The weight of the box is only 2.42kg
26% reduction in weight compared to simple boxes

箱体重量仅 2.42kg,相对于简易箱体重量降低26%



Lock + magnetic fixation to improve safety
Hidden module handle, single-person operation.

锁扣+磁吸固定，提高安全性隐藏式模组拉手，可单人操作

SPECIFICATION / 产品系列参数

型 号 Type Number	P1.86	P2	P2.5
规格尺寸 Dimension(MM)	320x480x52MM		
最大功率 Max.Power(W)	80W		
箱体重量 Cabinet Weight(KG)	2.42KG		
刷新率 Refresh Rate (Hz)	3840Hz / 1920Hz		
像素点间距 Pixel Pitch(MM)	1.86 / 2 / 2.5MM		
LED规格 LED Standard	SMD1515	SMD1515	SMD2020
扫描模式 Scan Mode	1/43Scan	1/40Scan	1/32Scan
像素密度 Pixel Density(Dot/m)	289050Dot/m ²	250000Dot/m ²	160000Dot/m ²
亮度 Brightness (CD/m)	≥600CD/m ²	≥600CD/m ²	≥800CD/m ²
可视角度 Viewing Angle	130°		
防护等级 Protection Level	P40		
维护方式 Maintenance Method	前维护 Pre maintenance		
灰度等级 Grey Level	14-16 Bit		
工作温度 Working Temperature	-20~70°C		
工作湿度 Working Humidity	10%-65%RH		
使用寿命 Life Span	≥50000 Hours		
工作电压 Working Voltage	AC 110V/220V, 50/60HZ		

P1.9/P2.6/P2.98/P3.91 CP Series



Arc adjustment



Front maintenance

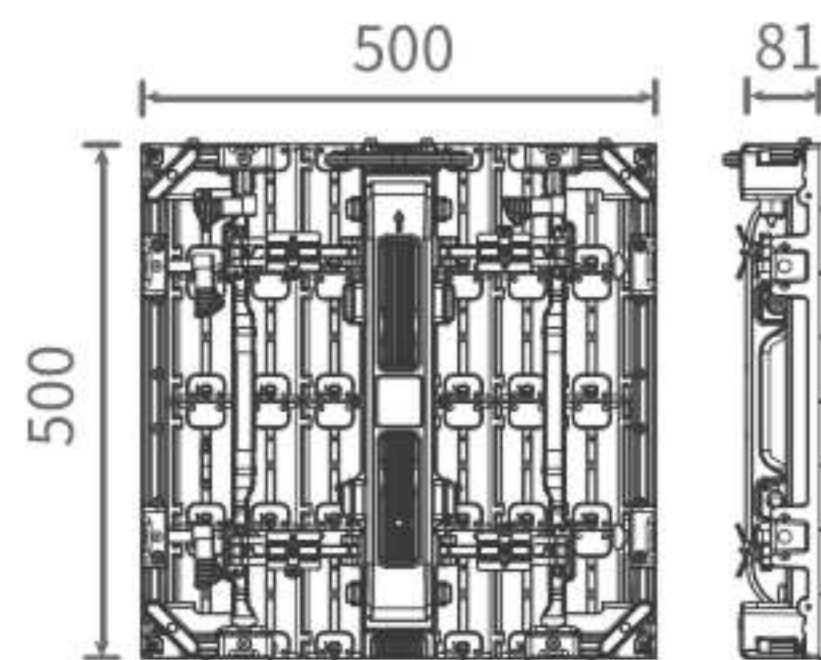


Aluminum Alloy



Split structure design

P1.9/P2.6P/P2.98/
P3.91 CP系列



500x500 and 500x1000 cabinets can be assembled vertically and horizontally; conventional screens, curved screens, and right-angle screens can be assembled horizontally and horizontally with Bexible screens (right-angle screens need to change locks); The cabinets can also be assembled vertically and horizontally in different shapes.

500x500和500x1000的箱体上下左右都可互拼; 常规屏、弧形屏、直角屏左右都可以与柔性屏互拼(直角屏需要换锁); 箱体上下左右也可错位异形拼装。



Front and rear maintenance, module handle upgrade, module lock can be opened with a twist, hidden module handle.

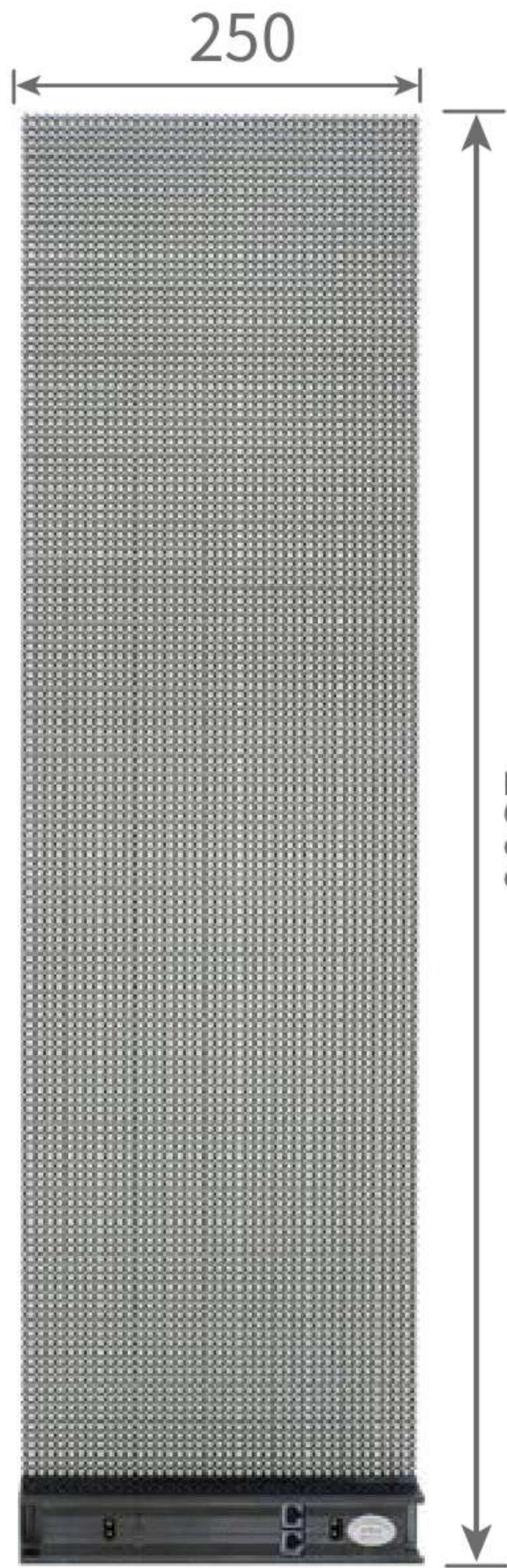
前后维护，模组把手升级，模组锁扣一扭即开，隐藏式模组拉手。

Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	CP系列P2.604户外屏		CP系列P2.976户外屏		CP系列P3.91户外屏	
箱体尺寸 Cabinet Size	500*500*84mm	500*1000*84mm	500*500*84mm	500*1000*84mm	500*500*84mm柔性	500*500*84mm 500*1000*84mm
像素间距 Pixel Pitch	2.604mm		2.976mm		3.91mm	
像素密度 Pixel Density	147456 Dot/m ²		112896 Dot/m ²		65536 Dot/m ²	
LED规格 LED Size	SMD1415		SMD1415		SMD1921	
扫描方式 Scan Type	1/24 Scan		1/21 Scan		1/16 Scan	
灰度等级 Grey Scale	14-16bit		14-16bit		14-16bit	
刷新频率 Refresh Frequency	7680Hz		7680Hz		7680Hz	
整屏亮度 Screen Brightness	≥4500 CD/m ²		≥4500 CD/m ²		≥4500 CD/m ²	
最佳视距 Best Viewing Distance	≥2.6M		≥3M		≥4M	
可视角度 View ngle	水平: 140°, 垂直: 120°		水平: 140°, 垂直: 120°		水平: 140°, 垂直: 120°	
屏体分辨率 Screen Resolution	192*192	192*384	168*168	168*336	128*128	128*128 256*128
箱体最大功耗 Cabinet MaxPower	200W	400W	200W	400W	200W	200W 400W
箱体重量 Cabinet Weight	7kg	11.4kg	7kg	11.4kg	7kg	7kg 11.4kg
IP等级 IP Grade	IP65		IP65		IP65	
屏体工作温度 Screen Working temperature	-20~60°C		-20~60°C		-20~60°C	
工作湿度 Operating humidity	10%~90%RH		10%~90%RH		10%~90%RH	
使用寿命 Life Span	≥50,000 Hours		≥50,000 Hours		≥50,000 Hours	
屏体工作电压 Screen Working Voltage	AC 220V/(110V)±15%		AC 220V/(110V)±15%		AC 220V/(110V)±15%	

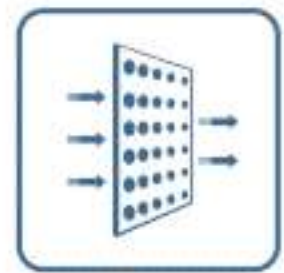
型 号 Type Number	CP系列P2.604室内屏		CP系列P2.976室内屏		CP系列P3.91室内屏	
箱体尺寸 Cabinet Size	500*500*84mm柔性	500*500*84mm 500*1000*84mm	500*500*84mm柔性	500*500*84mm 500*1000*84mm	500*500*84mm柔性	500*500*84mm 500*1000*84mm
像素间距 Pixel Pitch	2.604mm		2.976mm		3.91mm	
像素密度 Pixel Density	147456 Dot/m ²		112896 Dot/m ²		65536 Dot/m ²	
LED规格 LED Size	SMD1515		SMD1515		SMD2020	
扫描方式 Scan Type	1/32 Scan	1/32 Scan 1/32 Scan	1/28 Scan	1/21 Scan 1/21 Scan	1/16 Scan	1/16 Scan
灰度等级 Grey Scale	14-16bit		14-16bit		14-16bit	
刷新频率 Refresh Frequency	7680Hz		7680Hz		7680Hz	
整屏亮度 Screen Brightness	600~800 CD/m ²		600~800 CD/m ²		600~800 CD/m ²	
最佳视距 Best Viewing Distance	≥2.6M		≥3M		≥4M	
可视角度 View ngle	120°		120°		120°	
屏体分辨率 Screen Resolution	192*192	192*192 192*384	168*168	168*168 168*336	128*128	128*128 128*256
箱体最大功耗 Cabinet MaxPower	100W	100W 200W	100W	100W 200W	100W	100W 200W
箱体重量 Cabinet Weight	6.7kg	6.6kg 10.8kg	6.7kg	6.6kg 10.8kg	6.7kg	6.6kg 10.8kg
IP等级 IP Grade	IP42		IP42		IP42	
屏体工作温度 Screen Working temperature	-20~40°C		-20~40°C		-20~40°C	
工作湿度 Operating humidity	10%~65%RH		10%~65%RH		10%~65%RH	
使用寿命 Life Span	≥50,000 Hours		≥50,000 Hours		≥50,000 Hours	
屏体工作电压 Screen Working Voltage	AC 220V/(110V)±15%		AC 220V/(110V)±15%		AC 220V/(110V)±15%	



Unit:mm

P3.91\P6.25 LED Holographic transparent screen

P3.91\P6.25
全息透明屏



High permeability



High definition display



Arbitrary bending



Can be paired together



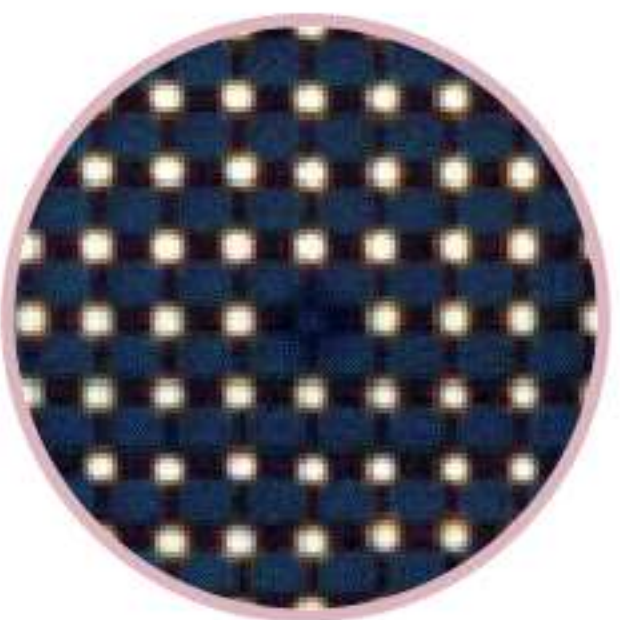
Can be customized according to customer on-site requirements.

可根据客户现场要求定制,也可自行裁剪



Realize curved installation with $R > 600\text{mm}$ to meet creative applications such as curved screens, cylinders, and S-shaped inner and outer arcs.

实现 $R > 600\text{mm}$ 的弧形安装,以满足弧形屏、圆柱和S形内外弧等创造性应用。



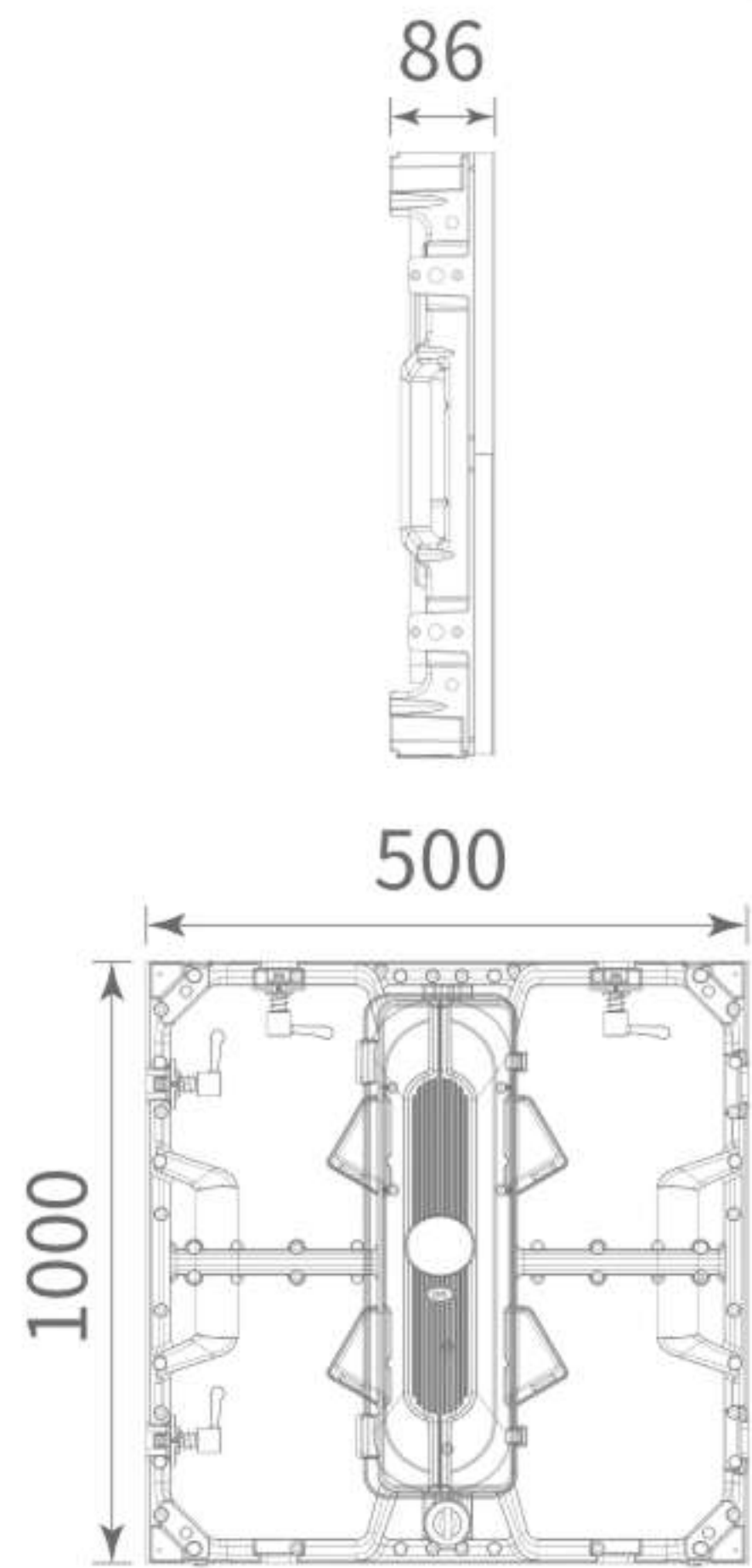
The light-emitting chip uses a micron-level light source and adopts a four-in-one packaging method. There are no other electronic devices except LED lamp beads. Using a static scanning solution, a single point failure will not affect the normal display of other lamp beads.

发光晶片采用微米级发光源,采用四合封装方式,除LED灯珠外无其它电子器件,采用静态扫描的方案,单点坏了不影响其它灯珠正常显示。

SPECIFICATION / 产品系列参数

型 号 Type Number	PH3.91	PH6.25
规格尺寸 Dimension(MM)	1500x250MM	1500x250MM
最大功率 Max.Power(W)	$\leq 800\text{W/m}^2$	
箱体重量 Cabinet Weight(KG)	$< 3.5\text{kg/m}^2$	
刷新率 Refresh Rate (Hz)	3840Hz	
像素点间距 Pixel Pitch(MM)	3.91MM	3.91\6.25MM
LED规格 LED Standard	SMD1515\2020	SMD1515\2020
扫描模式 Scan Mode	static state	
像素密度 Pixel Density(Dot/m ²)	65536Dot/m ²	
亮度 Brightness (CD/m ²)	2000\4500CD/m ²	
可视角度 Viewing Angle	160°	
防护等级 Protection Level	IP43	
通透率 Transparency	$> 65\% \sim 70\%$	
维护方式 Maintenance Method	Front Maintenance	
灰度等级 Grey Level	12-16 Bit	
工作温度 Working Temperature	$-20 \sim 40^{\circ}\text{C}$	
工作湿度 Working Humidity	10%-90%RH	
使用寿命 Life Span	$\geq 50,000$ Hours	
工作电压 Working Voltage	AC 110V/220V,50/60HZ	





Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	RK391-H	RK391X-H	RK391W-H	RK391WX-H
规格尺寸 Dimension(MM)	500x 500x 86MM	500x1000x86MM	500 x 500x 86MM	500x1000x86MM
最大功率Max.Power(W)	100W	200W	200W	400W
箱体重量 Cabinet Weight(KG)	8KG	14.5KG	8KG	14.8KG
亮度Brightness(CD/m)	≥600CD/m		≥4500 CD/m	
LED规格 LED Standard	SMD2020		SMD1921	
可视角度 Viewing Angle	120°		140°	
防护等级 Protection Level	IP42		IP65	
刷新率 Refresh Rate(Hz)	1920Hz/3840Hz			
像素点间距 Pixel Pitch(MM)	3.91MM			
扫描模式 Scan Mode	1/16 Scan			
像素密度 Pixel Density(Dot/m)	65536 Dot/m²			
箱体材质 Cabinet Material	Aluminum Alloy			
维护方式 Maintenance Method	Back Maintenance			
灰度等级 Grey Level	16 Bit			
工作温度Working Temperature	-20~60℃			
工作湿度Working Humidity	10%-90%RH			
使用寿命 Life Span	≥50000 Hours			
工作电压 Working Voltage	AC 110V/220V,50/60HZ			

P3.91-K series

P3.91-K系列



Quiet



Wide Angle Display



IP42



Saving Energy



Die-casting Alum Cabinet, Strong rigidity, no deformation more accurate splicing.ergonomic structural design,easy installation by one person

压铸铝箱体, 刚性强、不变形、拼接更精准符合人体工程学结构设计单人即可轻松安装



Truss Connection Lock Hole, Supporting the truss connecting rental cabinet quickly, as well as the hoisting and installation of the truss

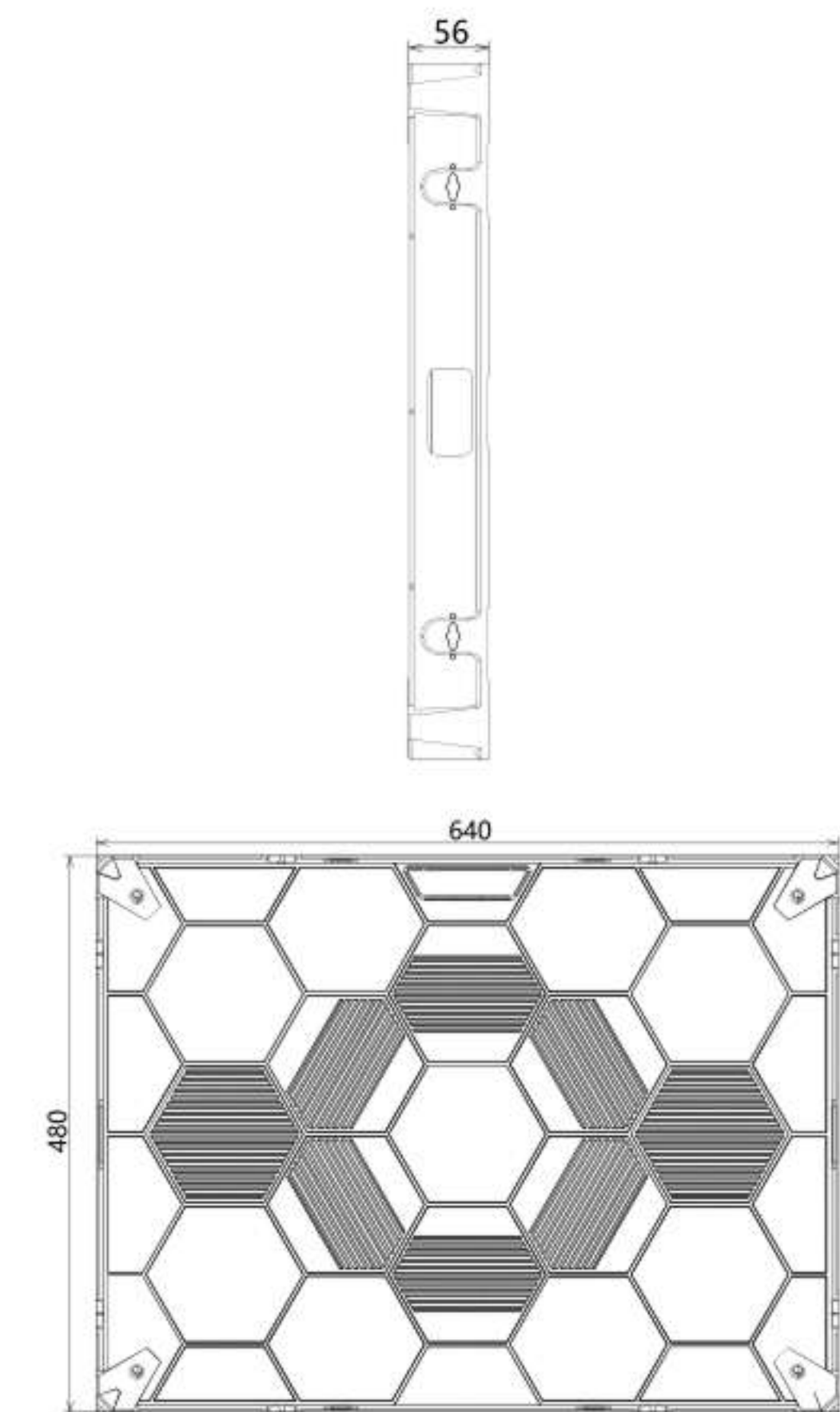
桁架连接锁孔, 支持租赁桁架快速连接箱体, 同时支持吊装、龙骨架固定安装



Arc Lock Design, Multiple models, can be extended various shapes to meet the need of special scenes

弧形锁设计, 造型百变, 可延展多种形状满足特殊场景需求





Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	S125	S137	S153	S166	S186	S2
规格尺寸 Dimension(MM)	640x480x85MM	640x480x85MM	640x480x85MM	640x480x85MM	640x480x85MM	640x480x85MM
像素点间距 Pixel Pitch(MM)	1.25MM	1.37MM	1.53MM	1.66MM	1.86MM	1.86MM
LED规格 LED Standard	SMD10101	SMD1010	SMD1010	SMD1010	SMD1515	SMD1515
扫描模式 Scan Mode	1/29Scan	1/29Scan	1/26Scan	1/32Scan	1/29Scan	1/29Scan
像素密度 Pixel Density(Dot/mi)	640000 Dot/m ²	525625 Dot/m ²	422500 Dot/m ²	360000 Dot/m ²	295664 Dot/m ²	295664 Dot/m ²
最大功率MaxPower(W)	250W	250W	250W	200W	150W	150W
箱体重量 Cabinet Weight(KG)	8KG	8KG	8KG	8KG	8KG	8KG
刷新率Refresh Rate (Hz)	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz	3840Hz
亮度Brightness(CD/mi)	500CD/m ²	500CD/m ²	600CD/m ²	600CD/m ²	600CD/m ²	600CD/m ²
可视角度 Viewing Angle	140°					
防护等级 Protection Level	IP40					
箱体材质 Cabinet Material	Diecast Aluminium					
维护方式Maintenance Method	Front Maintenance					
灰度等级 Grey Level	16 Bit					
工作温度Working Temperature	-20~60℃					
工作湿度Working Humidity	10%-65%RH					
使用寿命 Life Span	≥50000Hours					
工作电压Working Voltage	AC110V/220V,50/60HZ					

LED Fine Pitch Display

LED小间距



Seamless
splicing



Cast
aluminum



Front
service



A case of
multipurpose



Cast Aluminum frame box, strong rigidity, not easy to deformation, more accurate splicing

铸铝框架箱体, 刚性强, 不易变形, 拼接更精确



The box body is the lightest 8.0KG, the handling is easy and convenient, and it can be better adapted to all kinds of installation environment.

单体箱体最轻8.0kg, 厚度8.5cm, 搬运轻松方便, 能更好地适应各类安装环境



True and complete Front Maintains, not need to reserve repair space, 70% save space, Maintain only need to Change Module , not need to change cabinet.

真正完全前维护, 无需预留维修通道节省70%的空间, 维护只需要更换单元板, 不换箱体





Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	M4	M5	M6.67	M8	M10
像素间距 Pixel Pitch	4.0mm	5.0mm	6.67mm	8mm	8mm
像素密度 Pixel Density	62500 Dot/m ²	40000 Dot/m ²	22500 Dot/m ²	15625 Dot/m ²	10000 Dot/m ²
LED规格 LED Size	SMD1921	SMD2727	SMD3535	SMD3535	SMD3535
扫描方式 Scan Type	1/10 Scan	1/8 Scan	1/6 Scan	1/5 Scan	1/2 Scan
灰度等级 Grey Scale	12-14bits	12-14bits	12-14bits	12-14bits	12-14bits
刷新频率 Refresh Frequency	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz
整屏亮度 Screen Brightness	≥5000CD/m ²	≥5500 CD/m ²	≥5500 CD/m ²	≥5500 CD/m ²	≥5500 CD/m ²
最佳视距 Best Viewing Distance	≥4M	≥5M	≥7M	≥8M	≥10M
屏体分辨率 Screen Resolution	320*240	256*192	192*144	160*120	128*96
模组最大功耗 Module Max Power	50W	50W	45W	45W	45W
箱体重量 Cabinet Weight	38KG				
箱体材质 Cabinet Material	Magnesium alloy				
可视角度 View Angle	130°				
IP等级 IP Grade	IP65				
屏体工作温度 Screen Working	30~ +40C (The maximum temperature of a cooling system can reach 50°C)				
工作湿度 Relative humidity	10%~90%RH				
使用寿命 Life Span	≥100,000 Hours				
操作系统 Operation System	Windows XP/Win 7/8/10				

LED Self-Cooling Outdoor Display

LED 自散热
户外屏



Low heating-up



Silent operation



Seamless splicing



Easy maintenance

The Pn design effectively increases the heat dissipation area, in order to achieve outdoor applications without air conditioning, at the same time, the vertical structure is good for rainwater drainage

户外自散热设计, 翅片式的设计有效的增加了散热面积, 以实现室外空调的应用, 同时垂直的结构有利于雨水的排水

Stainless steel handle, With rubber grip, non-slip no hand injury, safer installation process

不锈钢提手, 带橡胶握把, 防滑, 不伤手, 安装过程更安全

Left and right connection, waterproof pour into the structure

箱体左右无缝拼接, 防水倒入结构





P3.91 MH series TRANSPARENT SCREEN

P3.91-MH款
透明屏



Windproof design reduces wind resistance and solves the problem of screens being blown over by wind. The module adopts a hollow design, allowing air to flow back and forth, helping solve the heat dissipation problem of the box.

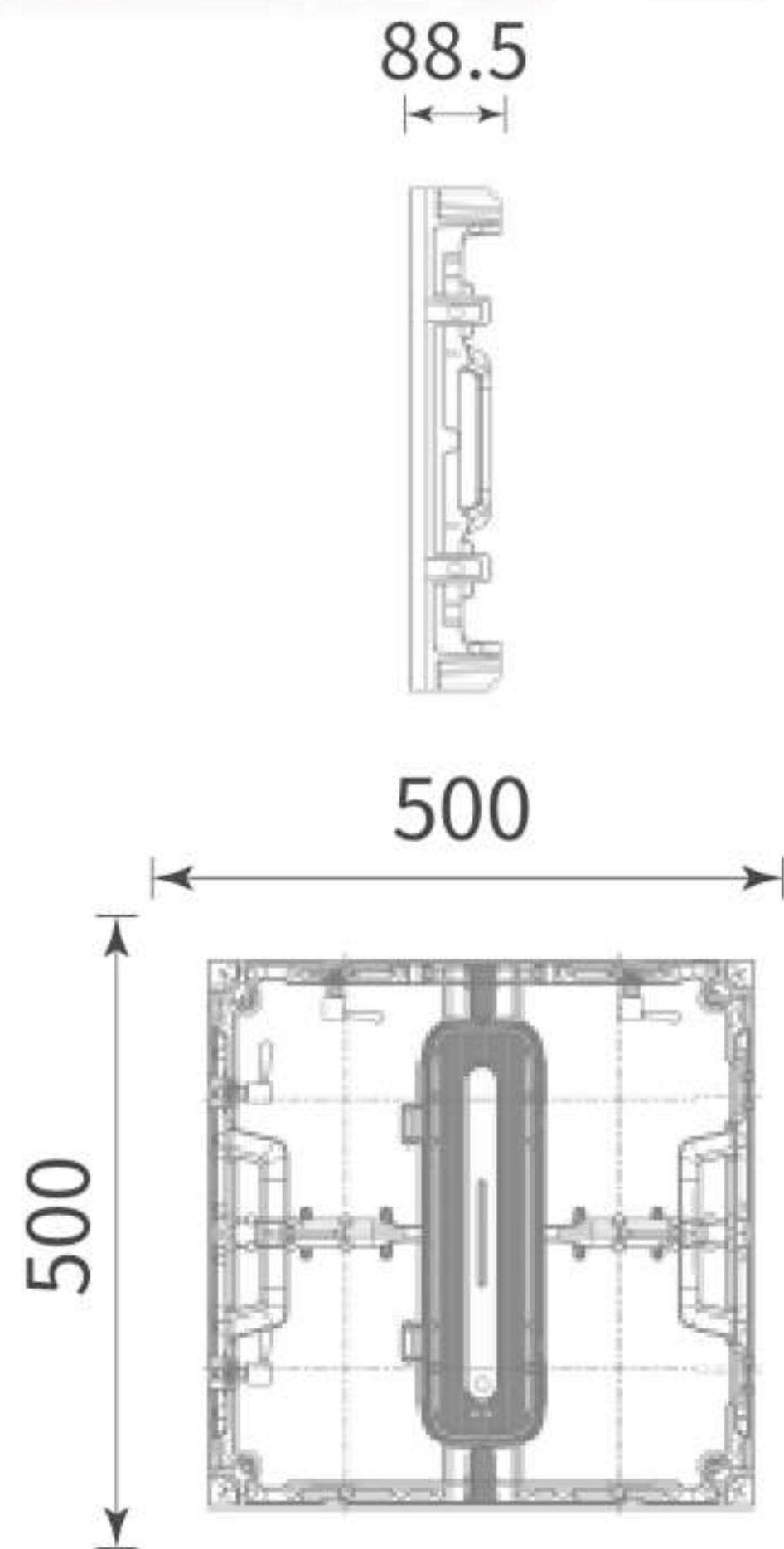
防风设计，降低风阻，解决屏幕受风吹倒问题。模组采用镂空设计，空气前后流动，有助解决箱体散热问题。

500 * 500mm box weight only 6.2kg
500 * 1000mm box weight only 11.2kg

500*500mm箱体重量仅 6.2kg
500*1000mm箱体重量仅 11.2 kg

Ensure image quality while also considering waterproofing performance. Can meet outdoor rental needs. The silicone waterproof ring on the door panel provides better waterproof effect, longer service life.

保证图像质量的同时兼顾防水性能，可满足在户外租赁使用。门板硅胶防水圈，防水效果更好，使用寿命更长。



Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	P3.91MH	P3.91MH
规格尺寸 Dimension(MM)	500x 500x 88.5MM	500x1000x88.5MM
最大功率Max.Power(W)	200W	400W
箱体重量 Cabinet Weight(KG)	6.2KG	11.2KG
亮度Brightness(CD/n)	≥5000CD/m ²	
LED规格LED Standard	SMD1921	
可视角度Viewing Angle	140°	
防护等级 Protection Leve	IP65	
刷新率 Refresh Rate(Hz)	1920Hz/3840Hz	
像素点间距 Pixel Pitch(MM)	3.91~7.8125MM	
扫描模式 Scan Mode	1/8Scan	
像素密度 Pixel Density(Dot/m ²)	32768 Dot/m ²	
箱体材质 Cabinet Materia	Magnesium Alloy	
维护方式Maintenance Method	Back Maintenance	
灰度等级 Grey Level	16 Bit	
工作温度Working Temperature	-20~60°C	
工作湿度Working Humidity	10%-90%RH	
使用寿命 Life Span	≥50000 Hours	
工作电压Working Voltage	AC 110V/220V,50/60HZ	

LED Stadium display



Physical cooling with vents. Waterproof rubber strip door edge. Waterproof key hole cap.

强力防水结构，通风口有挡水板，门上面带防水胶圈，门锁防水盖子。



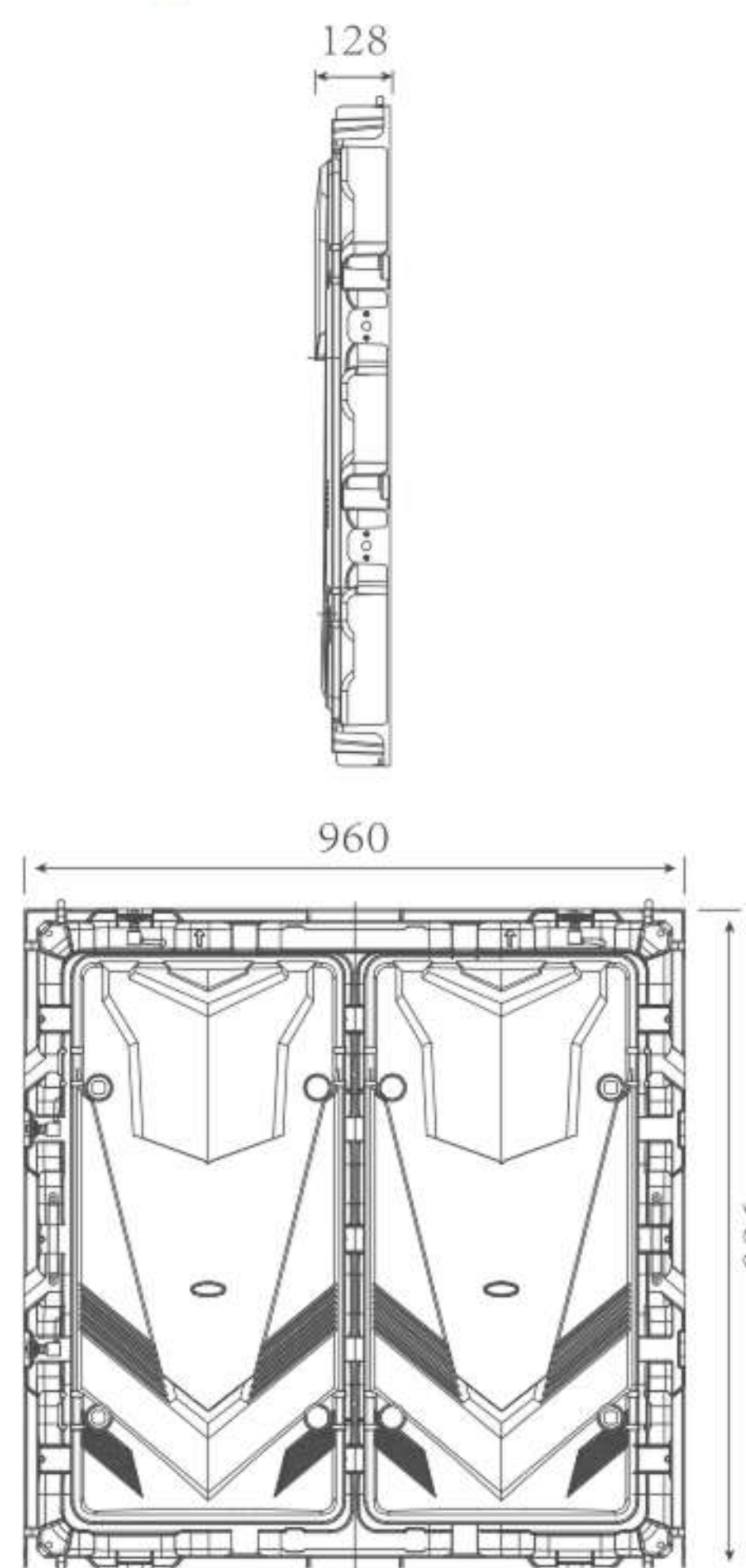
Magnesium alloy material box, heat dissipation fast, wear-resistant, anti-impact, soft polymer mask, anti-impact injury.

镁合金材质箱体，散热快、耐磨、抗冲击，高分子软质性面罩，防撞击受伤。



Seamless splicing, display effect seamless splicing for a better.

无缝拼接，不会出现间隙，显示效果更美观。



Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	M666-S	M8-S
规格尺寸 Dimension(MM)	960X960X128MM	960X960X128MM
像素点间距 Pixel Pitch(MM)	6.66MM	8MM
LED规格 LED standard	SMD3535	SMD3535
扫描模式 Scan Mode	1/6Scan	1/5Scan
像素密度 Pixel density(Dot/m ²)	22500 Dot/m ²	15625 Dot/m ²
最大功率 Max.Power(w)	900W	900W
箱体重量 Cabinet Weight(KG)	32.5KG	32.5KG
刷新率 Refresh rate (Hz)	3840Hz	1920/3840Hz
亮度 Brightness (CD/m ²)	5000CD/m ²	
可视角度 Viewing Angle	120°	
防护等级 Protection Level	IP65	
箱体材质 Cabinet Material	Magnesium Alloy	
维护方式 Maintenance Method	Back Maintenance	
灰度等级 Grey level	16 Bit	
工作温度 Working temperature	-20~60C	
工作湿度 Working humidity	10%-90%RH	
使用寿命 Life span	≥50000 Hours	
工作电压 Working voltage	AC 110V/220V,50/60HZ	

LED P3.91 video floor tile



P3.91
地砖屏



IP65



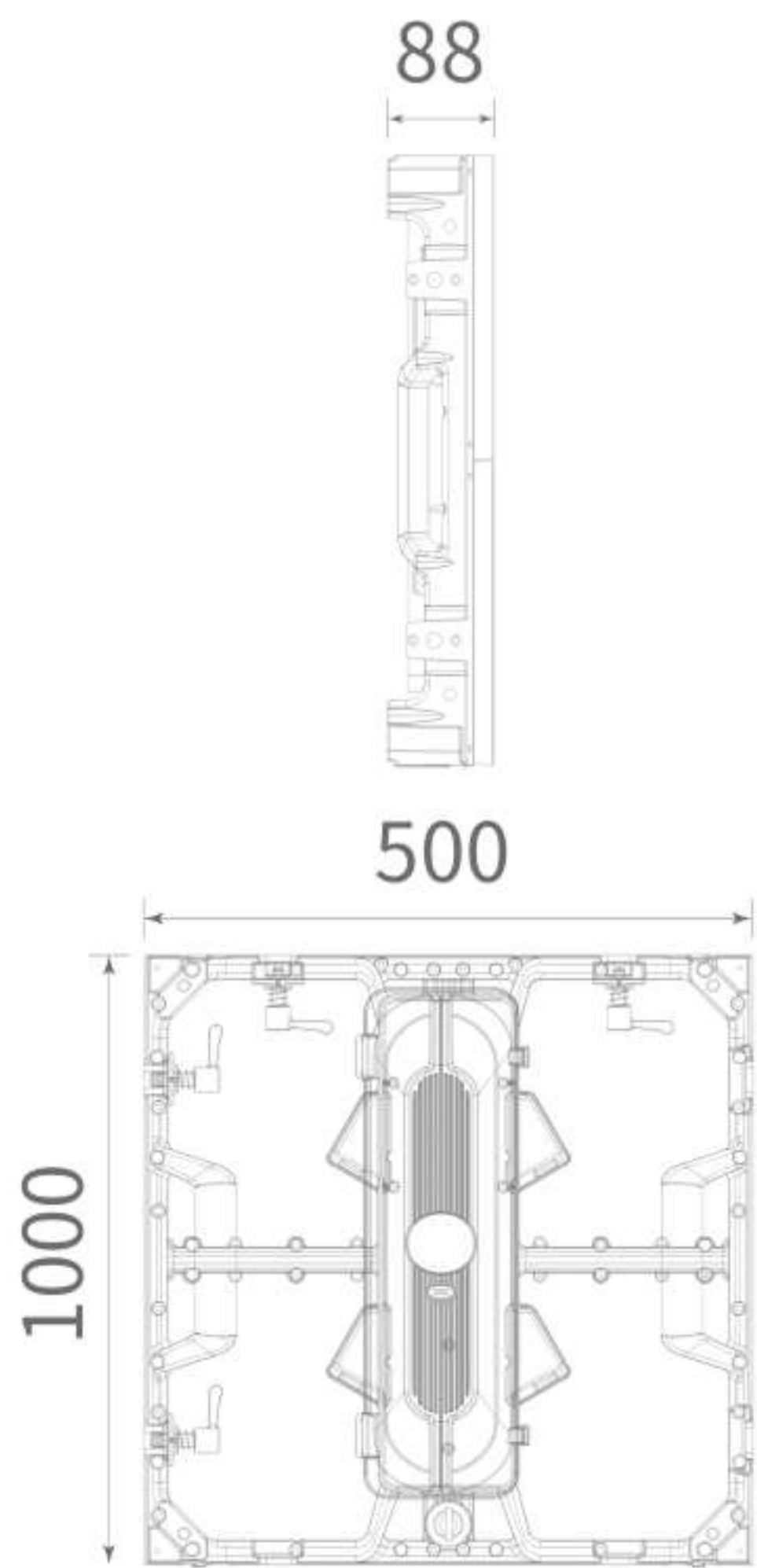
aluminum
alloy



Fast
Maintenance



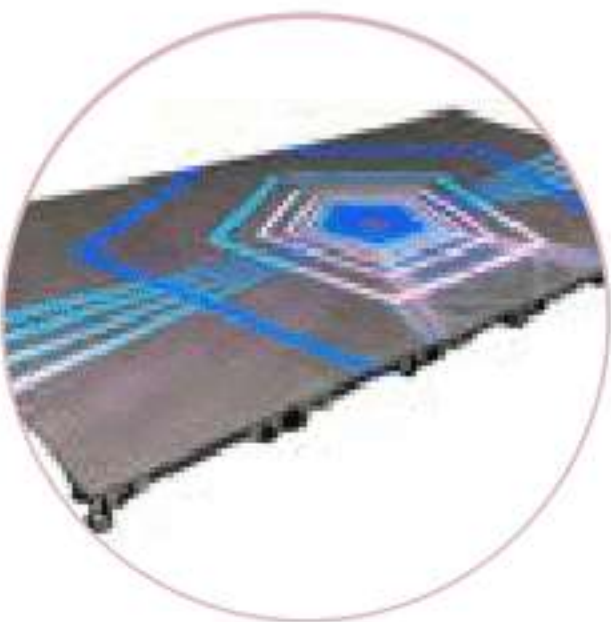
Bearing
500KG



Unit:mm

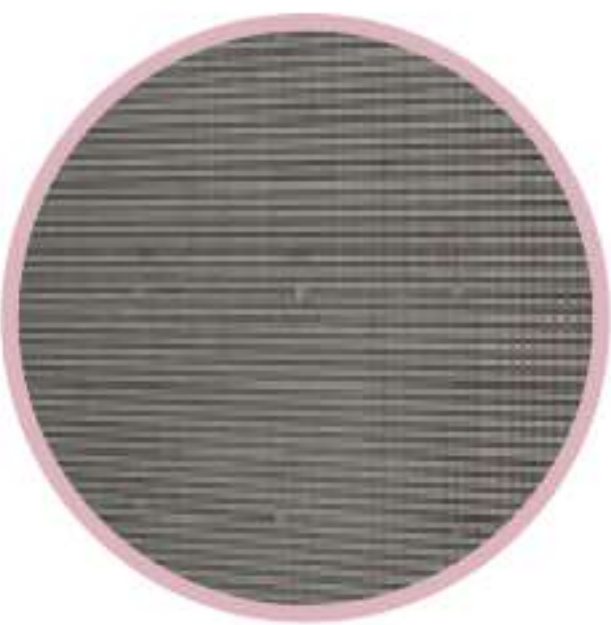


Professional waterproof.moisture-proof.dust-proof performance,The waterproof level reaches IP65
专业的防水、防潮、防尘性能,防水等级达到IP65



Strict stress test, can withstand 500kgm²
Scratch and abrasion resistant, non-slip, non-reflective,Stepping on high heels has no effect.

高性能承重防滑耐磨,严格压力测试,可承受500kg/m²耐刮擦和耐磨、防滑,不反光,高跟鞋踩踏无任何影响



ProfessionalMask DesignUsing PCmaterial,
professional anti-blow,Anti-scratch mask design,
Can make the f loot tilesGuaranteed to long-term use.

专业面罩设计,使用了PC材料,专业的防刮防刮花面罩设计,可以使地得到长时间的使用保障

SPECIFICATION / 产品系列参数

型 号 Type Number	P3.91
箱体尺寸 Cabinet Size (mm)	500X500X88mm
像素间距 Pixel Pitch (mm)	3.91mm
像素密度 Pixel Density (Dot/mi)	65536 Dot/m ²
LED规格 LED Size	SMD1921
扫描方式 Scan Type	1/16 Scan
灰度等级 Grey Scale	12-14bits
刷新频率 Refresh Frequency (Hz)	1920/3840Hz
整屏亮度 ScreenBrightness(CD/m)	≥4500CD/m ²
最佳视距 Best Viewing Distance	≥4M
最大功耗 Cabinet MaxPower (W)	200W
屏体分辨率 Screen Resolution	128X128
箱体重量 Cabinet Weight(Kg)	7.5kg
IP等级 IP Grade	正面IP65 /背面IP63
底座材质 Cabinet Materia	Auminum Alloy
维护方式 Maintenance Method	Back Maintenance
工作温度Workng Temperature	-30~60°C
工作湿度 relative humidity	10%-90%RH
使用寿命 Life Span	≥100,000 Hours
工作电压Working Voltage	AC 110V/220V,50/60Hz

Tempered glass version P3.91Video floor tiles



110/220V



Bearing
capacity



BIS



CE

P3.91地砖屏-
钢化玻璃款



Professional waterproof performance, waterproof grade IP65, can be directly cleaned on the surface.
专业的防水性能,防水等级达到IP65,能在表面直接清洗。

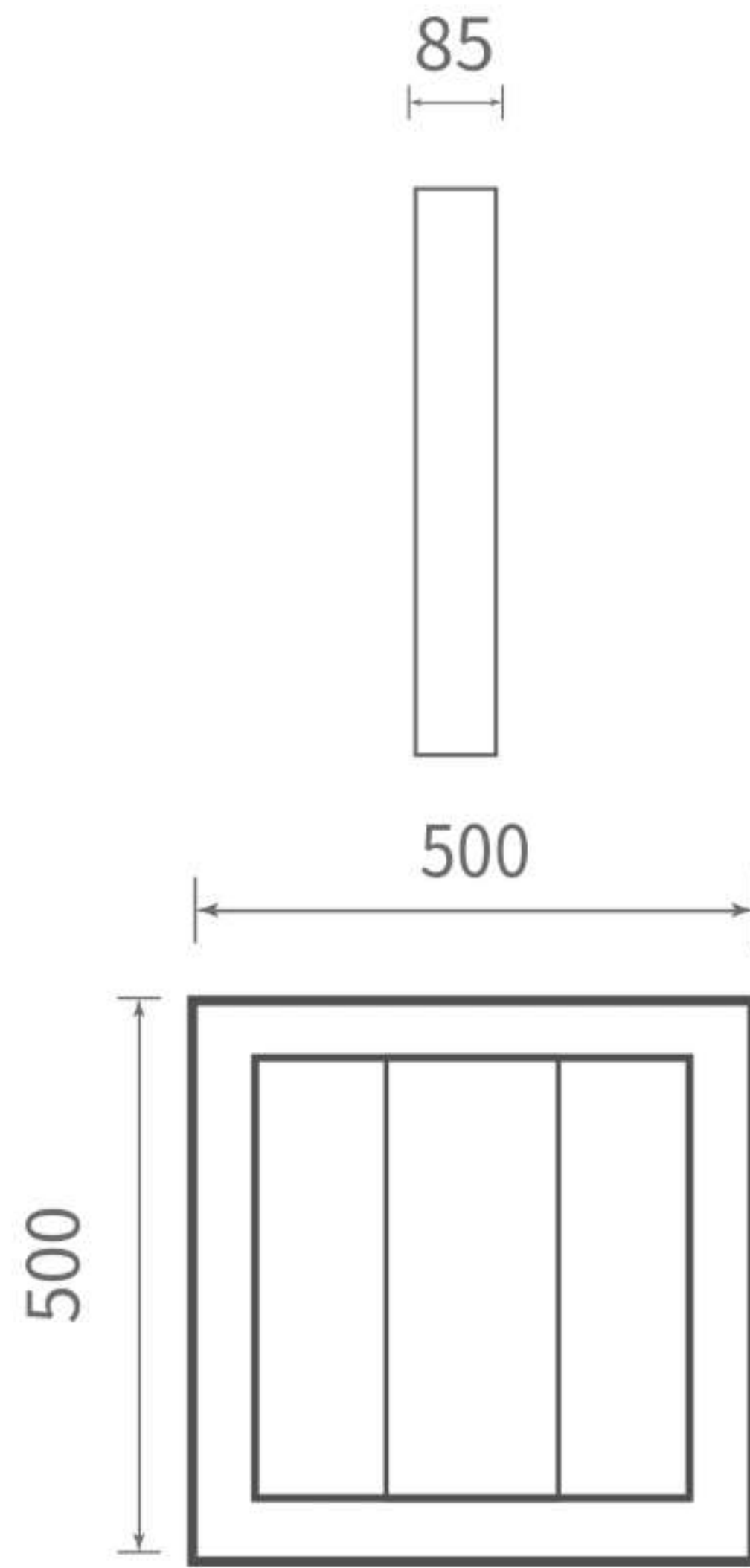


Scratch and abrasion resistant, non-reflective
耐刮擦和耐磨,不反光



Good light transmission uniformity, wide viewing angle, no color differ

透光一致性好,观看视角广,无色差



Unit:mm

SPECIFICATION / 产品系列参数

型 号 Type Number	T391
像素点间距 Pixel Ftch(MM)	3.91MM
扫描模式 Scan Mode	1/16 Scan
像素密度 Pixel Density(Dot/imi)	65536Dot/m ²
亮 度 Brighiness(CD/m)	≥1500CD/m ²
LED格 LED Standard	SMD1921
刷 新 率 Refresh Rate(Hz)	1920/3840Hz
规格尺寸 Dimension(MM)	500X500X85MM
最大功率 Max.Power(W)	200W
箱体重量 Cabinet Weight(KG)	18.1KG
防护等级 Protection Level	IP65
可视角度 Vewing Angle	120°
底座材质 Cabinet Material	Iron
维护方式 Maintenance Method	Back Maintenance
灰度等级 Grey level	14-16 Bit
工作温度 Working Temperature	-20~60°C
工作湿度 Working Humidity	10%-90%RH
使用寿命 Life Span	≥50000 Hours
工作电压 Working Voltage	AC 220V/(110V)±15%

MADRIX

LED LIGHTING CONTROL SOLUTIONS

MADRIX® - LED 照明控制解决方案



概述

OVERVIEW



MADRIX是一款集创作与控制于一体的灯光特效控制软件,用MADRIX控制时,灯具可随意摆放,并且灯具数量越多效果越好,甚至还可以显示3D效果。相比传统的DMX控制的编程显示效果,MADRIX可模拟,可视化,软件固有的多种显示效果,可个性化组合控制,每种效果可调整变化,使内容更丰富,并且MADRIX也可以用音乐控制,灯光跟随音乐节奏动画,使灯光效果动感十足。

MADRIX is a lighting special effects control software that integrates creation and control. When using MADRIX to control, lamps and lanterns can be placed at will, and the more lamps and lanterns, the better the effect, and even 3D effects can be displayed.Compared with the traditional DMX-controlled programming display effects, MADRIX can simulate, visualize, and control a variety of display effects inherent in the software. It can be individually combined and controlled. Each effect can be adjusted and changed to make the content richer, and MADRIX can also be controlled by music, and the lighting follows the rhythm of the MUSIC to animate, making the lighting effects dynamic.

软件特点 / SOFTWARE FEATURES



- ◎ 支持 DMX512、DVI;
- ◎ 支持以太网 Art-Net;
- ◎ 支持远程控制、 触摸屏控制功能;
- ◎ 支持移动设备 (智能手机、平板电脑) 控制功能;
- ◎ 支持平面 2D、立体 3D 效果;
- ◎ 支持音乐控制 LED 灯光;
- ◎ 支持图形渲染引擎;
- ◎ 支持最多 20 个层混合模式;
- ◎ 支持强大的脚本引擎和宏编辑器;
- ◎ 支持最多可存储 256*256 个场景效果;
- ◎ 支持实时音频、速度、颜色、动画形状、动画方向、亮度、视频叠加等丰富效果。



- ◎ Support DMX512,DVI;
- ◎ Support ETHERNET Art-Net;
- ◎ Support remote-control, screen-touched control;
- ◎ Support mobile equipment control (Mobil Phone, ipad);
- ◎ Support 2D, 3D effect;
- ◎ Support audio input control;
- ◎ Support graphics rendering engine;
- ◎ Support maximum 20 layers mxd mode;
- ◎ Support powerful script engine and Macro Toolworks;
- ◎ Support storing 256*256 effects;
- ◎ Support synchronous audio, speed, color, animation model, brightness, video superposition etc.



MADRIX 5® KEY	Start	Entry	Basic	Professional	Ultimate	Maximum
	初级版	入门版	基础版	专业版	终极版	最高版
可升级 Upgradable	√	√	√	√	√	√
基于DMX的输出 / DMX-Based Output						
DMX通道 DMX Channels	1,024	4,096	16,384	65,536	262,144	1,048,576
DMX空间示例 DMX Universes Example	2	8	32	128	512	2,048
RGB立体像素示例 RGB Voxels Example	341	1,365	5,641	21,845	87,381	349,525
基于DVI的输出 / DVI-Based Output						
DVI立体像素 DVI Voxels	4,096	16,384	262,144	1,048,576	2,097,152	2,097,152
渲染分辨率示例 Render Resolution Example	64 x 64	128 x 128	512 x 512	1,024 x 1,024	2,048 x 1,024	2,048 x 1,024





