

迪恒
股份

DU5000

LASER PROJECTOR

金星系列激光工程投影机



Product parameters

产品参数

金星系列-DU5000工程激光投影机

Venus series-DU5000 Laser Engineering Projector

型号(Model): DU5000	亮度(Brightness): 5000 ISO流明(lumen)
显示芯片(Display chip): 3*0.64"	投射比(Projection Ratio): 1.37-1.65
投影技术(Projection technology): 3LCD	对比度(Contrast ratio): 5000000:1
分辨率(Resolution ratio): 1920*1200 (16:10)	均匀度(Uniformity): 80%
光源(Light source): MCL激光光源(laser source)	画面尺寸(Screen size): 30"~300"
光源寿命(Light source lifespan): 20000 hour	噪音(Noise): 37decibel
变焦比(Lens parameters): 1.2	扬声器(Speaker): 16W*1
投影角度(Projection angle): 2*360°	梯形校正(Keystone): V: ±30° H: ±30°
吊装翻转(Lifting and flipping): 支持(support)	电压(Voltage): 100~240V@ 50/60Hz
重量(Weight): 5 (kg)	尺寸(Size): 390*294*128 (mm)

输出接口(Output interface): VGA*1, Audio out (mini-jack,3.5mm) *1

输入接口(Input): VGA*1, HDMI in *2, Video*1, Audio in (mini jack, 3.5mm) *1, Audio in (RCA*2) *1, USB-A*1, USB-B*1, RJ45*1,

控制接口(Control interface): RS232*1, RJ45*1 (Control), USB-B*1, LAN*1

镜头参数(Lens parameters): F 1.6-1.76, f 19.158mm-23.018mm

镜头位移(Lens displacement): V: +60%~0%、H: ±29% (标镜) (index glass)

几何校正(Keystone): 四角拉伸、六角拉伸、墙角折角校正、曲面校正、11*17格点校正 (Quadrangle stretching, hexagonal stretching, wall corner bending correction, surface correction, 11 * 17 grid point correction)

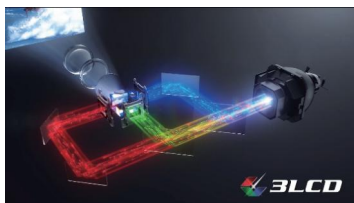
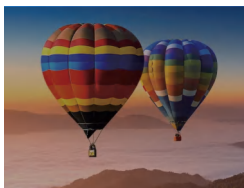
网络控制(Network): RoomView (Crestron)、AMX Discovery、PJ Link

兼容分辨率(Compatible resolution): VGA, SVGA, XGA, SXGA, WXGA, UXGA, WUXGA, 4K@30Hz,

整机功率(Power): Normal (Max) 280W, (ECO1) (Max) 190W, (ECO2) (Max) 170W

3LCD projection technology

3LCD投影技术, 搭载3*0.64寸液晶芯片



采用色彩表现更出色的3LCD技术, 搭载3*0.64寸液晶芯片, 可以实现更高的光利用率, 忠实与色彩本身, 能够呈现充足的色彩亮度, 画质更加出众, 画面细节展示更加突出。

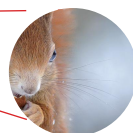
By using the 3LCD technology with better color performance and equipped with a 3 * 0.64 inch LCD chip, higher light utilization can be achieved, faithful to the color itself, and able to present sufficient color brightness, outstanding image quality, and more prominent display of image details.

WUXGA (1920*1200) 物理分辨率, 支持4K, 画质更细腻
WUXGA (1920 * 1200) physical resolution, supporting 4K

产品物理分辨率均高达1920*1200分辨率,同时支持4K@30HZ信号输入。投影画面更加细腻, 细节展示更丰富生动。



画质更细腻



细节更突出

The physical resolution of the products is as high as 1920 * 1200. Simultaneously supporting 4K@30hz Signal input. The projection screen is more delicate, and the details are displayed more vividly and richly.

新型MCL激光光源, 光源寿命长达20000小时

搭载NICHA 更新一代MCL激光光源, 该光源品质更稳定, 体积更小、能效更高。投影在正常模式下光源寿命长达20000小时, 节能模式下长达30000小时。



New MCL laser light source with a lifespan of up to 20000 hours

Equipped with the latest generation MCL laser light source from NICHA, this light source has more stable quality, smaller size, and higher energy efficiency. The lifespan of the light source can reach up to 20000 hours in normal mode and up to 30000 hours in energy-saving mode.

采用远心光学架构 Adopting telecentric optical architecture



色彩均匀度
Color Uniformity



亮度均匀度 $\geq 90\%$
Luminance uniformity

采用远心光学架构设计, 相比非远心光学架构拥有更出色的色彩均匀度, 亮度均匀度表现, 更利于大屏融合的一致性表现。

Adopting a telecentric optical architecture design, compared to non telecentric optical architectures, it has better color uniformity and brightness uniformity performance, which is more conducive to the consistency performance of large screen fusion.

提供产品匹配服务, 保证产品融合的最佳效果 Provide product matching services

提供出厂时的产品匹配服务, 通过匹配色温、亮度等更接近的参数指标, 并标记产品坐标, 使得在同一个项目现场, 产品的一致性更高, 产品融合后达到最佳的效果。

The USB-B interface of the product can be directly connected to the USB interface of a PC for projection display. In application scenarios such as conferences, it provides users with more wiring options.

2*360度均可以灵活投影 2 * 360 degrees can be flexibly projected

出色的散热功能确保其可以支持2*360度任意角度安装, 以满足不同投影环境的安装需求。

The excellent heat dissipation function ensures that it can support installation at any angle of 2 * 360 degrees to meet the installation needs of different projection environments.



支持4点、2*3格点, 11*17格点几何校正 Support grid geometry correction

支持V: $\pm 30^\circ$ H: $\pm 30^\circ$ 梯形校正, 支持四角拉伸(2*2), 支持六角拉伸(2*3), 墙角折角校正, 支持曲面校正, 11*17格点校正。丰富的几何校正功能, 使得用户在投影平面、弧形、墙角、柱子等场景时, 不用外接处理设备即可获得完美的投影画面。

Supports V: $\pm 30^\circ$ H: $\pm 30^\circ$ trapezoidal correction, supports quadrilateral stretching (2 * 2), supports hexagonal stretching (2 * 3), wall corner bending correction, supports surface correction, and 11 * 17 grid point correction. Rich geometric correction functions enable users to obtain perfect projection images in scenes such as projection planes, arcs, wall corners, and columns without the need for external processing equipment.



支持开机画面自定义 Support customization of startup screen

用户通过遥控器即可在OSD菜单中设置截图并作为开机画面展示。

Users can set screenshots in the OSD menu and display them as startup screens through the remote control.



标配RJ45、RS232接口, 支持多种控制方式 Standard RJ45、RS232 interfaces multiple control methods

产品标配了RJ45、RS232接口, 支持IR遥控、按键板控制、网口、串口等多种控制方式和控制协议。

The product comes standard with RJ45 and RS232 interfaces, supporting various control methods and protocols such as IR remote control, button board control, network port, serial port, etc.

无缝对接迪恒“魔盒”，娱乐更强大

产品可以无缝对接迪恒魔盒产品，借助魔盒强大的几何校正功能、融合功能、片源素材、播放控制等功能，可以为娱乐、展示等场景提供性价比更高、实用性更强的解决方案。

Seamless integration with DiHeng's "Magic Box" for stronger entertainment

The product can seamlessly connect with DiHeng Magic Box products. With the powerful geometric correction function, fusion function, film source material, playback control and other functions of the Magic Box, it can provide more cost-effective and practical solutions for entertainment, display and other scenarios.



产品通过CCC认证、节能认证(达1级能效)、环保认证

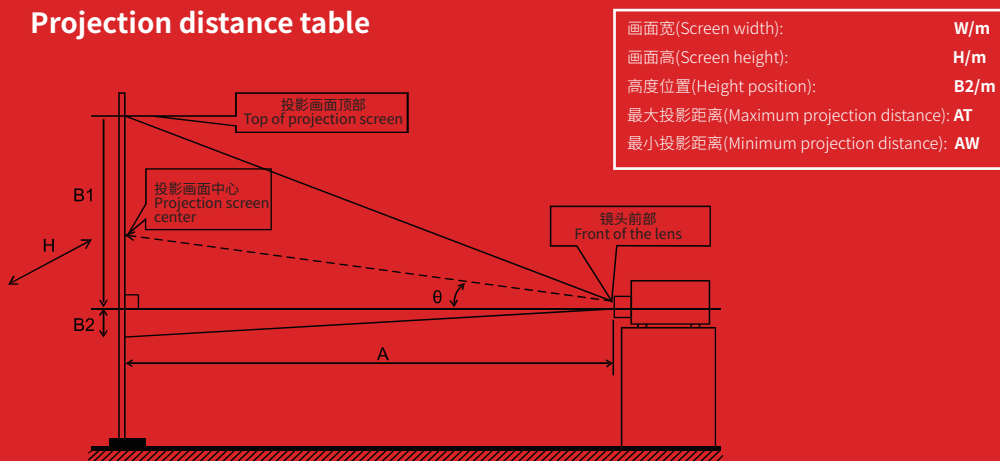
The product has passed CCC certification, energy-saving certification and environmental protection certification

产品通过了CCC认证、节能认证、环保认证以及第三方实验室检测认证、1类激光认证，节能认证达到1级能效多方面确保产品的安全性、稳定性、节能性等。

The product has passed CCC certification, energy-saving certification, environmental protection certification, third-party laboratory testing certification, and Class 1 laser certification. The energy-saving certification reaches Level 1 energy efficiency, ensuring the safety, stability, and energy-saving of the product in multiple aspects.

投影距离表

Projection distance table



16:10宽高比aspect ratio					
屏幕尺寸screen size	W/h	H/m	B2/m	AW	AT
30	0.646	0.404	0.042	0.872	1.053
40	0.862	0.538	0.055	1.171	1.411
60	1.292	0.808	0.083	1.769	2.129
70	1.508	0.942	0.097	2.067	2.487
80	1.723	1.077	0.111	2.365	2.845
90	1.939	1.212	0.125	2.664	3.205
100	2.154	1.346	0.139	2.962	3.563
120	2.585	1.615	0.166	3.559	4.280
150	3.231	2.019	0.208	4.455	5.356
200	4.308	2.692	0.277	5.947	7.149
250	5.385	3.365	0.347	7.440	8.943
300	6.462	4.039	0.416	8.932	10.736

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