

迪恒
股份

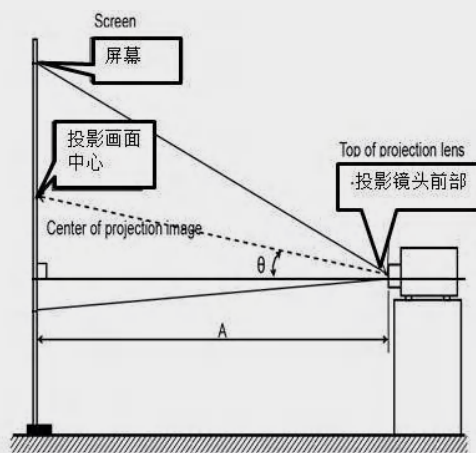
DU12K

LASER

PROJECTOR

天狼星系列激光工程投影机





Product parameters 产品参数

天狼星系列系列-DU12K工程激光投影机

Sirius series-DU12K Laser Engineering Projector

型号(Model): DU12K	亮度(Brightness): 12000 ISO流明(lumen)
显示芯片(Display chip): 3*0.76"	对比度(Contrast ratio): 5000000:1
投影技术(Projection technology): 3LCD	画面尺寸(Screen size): 50"~500"
分辨率(Resolution ratio): 1920*1200 (16:10)	噪音(Noise): 38decibel
光源(Light source): MCL激光光源(laser source)	电压(Voltage): 100~240V@ 50/60Hz
光源寿命(Light source lifespan): 20000 hour	尺寸(Size): 600*503*218 (mm)
投影角度(Projection angle): 2*360°	重量(Weight): 24 (kg)

梯形校正(Keystone): 垂直方向(vertical direction)±30°水平方向(horizontal direction)±15°

选配镜头(Optional lens): 0.32、0.42、0.52、0.62、0.67、0.78、0.79-1.11、1.1-1.9、1.3-3.02、1.46-2.95、2.7-4.7、2.99-5.93、3.1-4.5、4.1-6.2、4.59-7.02。

几何校正(Geometric correction): 2x3几何校正、折角校正
2x3 geometric correction and angle correction

色彩数目(Lifting and flipping): 10.7亿色(billion colors)

输出接口(Output interface): 1×VGA, 1×Audio, 1×HDMI1.4

输入接口(Input): 1×VGA, 2×HDMI1.4, 1×USB-A, 1×USB-B, 1×RJ45, 1×DVI-D, 1×HDBaseT, 1×Audio

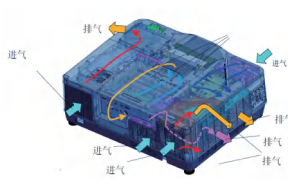
控制接口(control interface): 1×RJ45, 1×RS232, 1×USB-B, 1×Wired Remote (IN+OUT)

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

整机功率(Power): (Normal) (Max) 850W, (ECO1) (Max) 750W, (ECO2) (Max) 650W

Positioned in professional engineering speculation

定位于专业工程投机, 光学、结构、散热等多方面优化确保稳定光输出

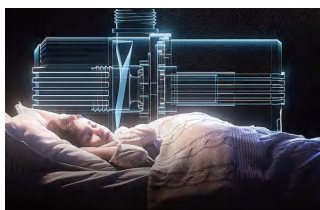


产品定位于专业工程投机, 采用更稳定的光机架构设计、结构和散热设计充分考虑高亮度、高热量以及严酷环境下的稳定运行。普通LCD投影机的液晶板冷却方式为一侧进风, 本产品的冷却方式为两侧同时进风, 两道风在液晶板的中部位置产生螺旋状气流, 可以均匀地对液晶板进行散热, 这一系统能够使液晶板和偏光板寿命倍增, 减少风扇噪音。简约合理的风流通路设计确保了产品的稳定光输出。

The product is positioned for professional engineering speculation, adopting a more stable optical and mechanical architecture design, structure and heat dissipation design that fully considers high brightness, high heat, and stable operation in harsh environments. The cooling method for the LCD panel of a regular LCD projector is one side air intake, while the cooling method for this product is simultaneous air intake on both sides. The two air streams generate a spiral airflow in the middle of the LCD panel, which can evenly dissipate heat to the LCD panel. This system can double the lifespan of the LCD panel and polarizer, reducing fan noise. The simple and reasonable airflow path design ensures stable light output of the product.

无滤网密闭式光机设计, 兼有静音、高效散热、防尘三重优势 Design of Sealed Optical Machine without Filter

投影机核心光引擎部分被全密封于金属磁性压铸的密闭空间内, 通过快速导热材料进行导热, 有效解决了密闭空间内的散热问题。密闭空间内风扇可以高速旋转且对外部来说噪音更小。这种设计方案兼有静音、高效散热、防尘三重优势。



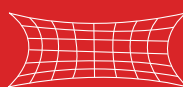
The core optical engine of the projector is fully sealed in a closed space made of metal magnetic die-casting, and heat is conducted through fast thermal conductive materials, effectively solving the heat dissipation problem in the closed space. Fans in enclosed spaces can rotate at high speed and have less noise to the outside. This design scheme combines the advantages of silence, efficient heat dissipation, and dust prevention.

支持4点、2*3格点, 11*17格点几何校正

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。

Support grid geometry correction

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.



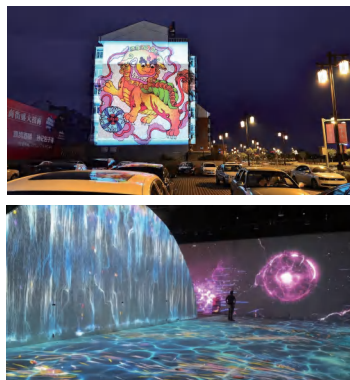
更高弹性拉伸
Higher elastic stretch



更贴合画面
More fitting to the screen



12000 ISO流明, 无惧强光 12000 ISO lumens, fearless of strong light



白光亮度和色彩亮度同时高达12000 ISO流明, 在户外大场景投影应用中, 具有优质的画面效果。

The white light brightness and color brightness can both reach up to 12000 ISO lumens, providing high-quality visual effects in outdoor large-scale projection applications

可换镜头, 投射比涵盖0.32~7.02镜头, 灵活应用于各种空间 Projection ratio covers 0.32-7.02 lenses

产品在更换镜头方面设计更加灵活, 用户可以手动更换0.32/0.42/0.6/0.8/0.79-1.11/1.46-2.95/1.3-3.02/2.99-5.93/4.59-7.02短焦至长焦非常丰富的镜头, 无论是狭小空间或是大空间远距离投影, 均可以满足您的需求。

The product is designed to be more flexible in terms of lens replacement. Users can manually replace lenses ranging from 0.32/0.42/0.6/0.8/0.79 to 1.11/1.46 to 2.95/1.3 to 3.02/2.99 to 5.93/4.59 to 7.02 with a wide range of short to long focal lengths, meeting your needs for both narrow and large distance projection.



双HDMI备份设计, 具备HDMI 串接回路 Dual HDMI backup design with HDMI serial connection loop

产品采用双HDMI备份设计, 搭载2个HDMI接口。在项目使用中若1个HDMI接口烧毁, 可以采用另外一个HDMI接口紧急备份, 无缝切换使用。对项目的影响可以降低到最小的程度。具备HDMI串接回路设计, 当项目需要2台叠加使用时, 布线更加简单。

The product adopts a dual HDMI backup design and is equipped with two HDMI interfaces. If one HDMI interface burns out during project use, another HDMI interface can be used for emergency backup and seamless switching. The impact on the project can be minimized. Equipped with HDMI series connection circuit design, the wiring is simpler when two units need to be stacked for use in the project.



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.

提供产品匹配服务, 保证产品融合的最佳效果

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。

Provide product matching services to ensure the best integration of products

Provide product matching services upon leaving the factory, by matching parameters such as color temperature and brightness that are closer to each other, and marking product coordinates. Enable higher product consistency within the same project site. Achieve optimal results after product integration.



精准调校的白平衡, 更加符合亚洲人审美

Precisely tuned white balance, more in line with Asian aesthetics

精准调校的白色坐标, 集中分布在目标值<0.3, 0.32>附近。多台之间色彩的一致性更高, 同时这种更加符合亚洲人审美标准。



The precisely calibrated white coordinates are concentrated around the target values of<0.3, 0.32>. The color consistency between multiple devices is higher, and this is more in line with Asian aesthetic standards.

投影距离表

Projection distance table

画面宽(Screen width):

W/m

最小投影距离(Minimum projection distance): **AW**

画面高(Screen height):

H/m

最大投影距离(Maximum projection distance): **AT**

16:10宽高比aspect ratio				
屏幕尺寸screen size	W/h	H/m	AW	AT
40	0.862	0.538	1.236	2.517
50	1.077	0.673	1.557	3.158
60	1.292	0.808	1.879	3.800
70	1.508	0.942	2.200	4.441
80	1.723	1.077	2.521	5.083
90	1.939	1.212	2.843	5.725
100	2.154	1.346	3.164	6.366
120	2.585	1.615	3.807	7.650
150	3.231	2.019	4.772	9.575
200	4.308	2.692	6.379	12.783
250	5.385	3.365	7.986	15.991
300	6.462	4.039	9.593	19.199
350	7.539	4.712	11.200	22.408
400	8.616	5.385	12.808	25.616
450	9.693	6.058	14.415	28.824
500	10.770	6.731	16.022	32.032

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