



GZ24KP

LASER PROJECTOR

新天狼星系列激光工程投影机



Product parameters

产品参数

新天狼星系列-GZ24KP工程激光投影机 New Sirius series-GZ24KP Laser Engineering Projector

型号(Model): GZ24KP	亮度(Brightness): 22900 ISO流明 (lumens)
显示芯片(Display chip): 3*1.0"	中心亮度(Center brightness): 24500流明 (lumens)
投影技术(Projection technology): 3LCD	对比度(Contrast ratio): 6000000:1
分辨率(Resolution): 1920*1200 (16:10)	画面尺寸(Screen size): 60"~500"
光源(Light source): 双色激光 (蓝色+红色)	噪音(Noise): 41decibel
光源寿命(Light source lifespan): 20000 hours	电压(Voltage): 120~240V@ 50/60Hz
投影角度(Projection angle): 2*360°	包装尺寸(Package Size): 810*741*442 (mm)
镜头标镜(Standard Lens): 1.24-2.01	重量(Weight): 38.7 (kg)

画面位移(Image Shift): V:±65%,H:±25% (针对全画面, 标镜), V:±130%, H:±50% (针对半画面, 标镜), 该数值在使用不同镜头时会有所变化。

选配镜头(Optional lens): 0.53-0.65/0.65-0.87/0.86-1.25/1.98-3.95/3.95-7.51/0.62/0.78 /3.5-6.3/0.52/0.6/2.1-3.4/3.4-5.5/0.72/1.19-1.62/1.57-2.56

几何校正(Geometric correction): 曲面校正, 6角校正, 11*17多点校正
Curved Surface Correction, 6-Point Correction, 11x17 Multi-Point Correction.

信号扫描频率(Scanning Frequency): 水平 (Horizontal): 15~100KHz; 垂直 (Vertical): 24~85Hz

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

色域(Color Gamut): ≥100% REC·709

输入接口(Input Interfaces): VGA×1, HDMI1.4 (IN)×2, USB-A×1, USB-B×1, DVI-D×1, HD BaseT×1, Audio in×1

输出接口(Output Interfaces): HDMI1.4(OUT)×1, Audio out×1

控制接口(Control Interfaces): RJ45×1, DMX512×1, RS232 IN×1, RS232 OUT×1, Wired Remote IN×1, Wired Remote out×1

整机功率(Power): 1400W(Normal Max), 1155W(Eco1 Max), 795W(Eco2 Max), <0.5W (Stand by)

新型激光光源, 光源寿命长达20000小时 The projector utilizes a new laser light source with a lifespan of up to 20,000 hours.

搭载更新一代激光光源, 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。

The projector is equipped with latest laser light source, which offers improved stability, a more compact size, and higher energy efficiency. The light source provides a lifespan of up to 20,000 hours in normal mode and 30,000 hours in eco mode.

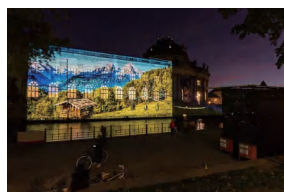
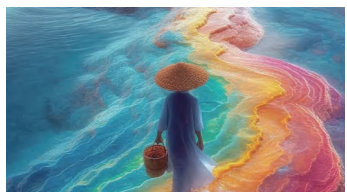
双色激光实现高色域 Dual-color laser technology enables a wide color gamut.

红蓝双色激光拥有更广的色域范围, REC709色域覆盖率≥100%, DCI-P3色域覆盖率≥92%, 具备更卓越的色彩表现力。结合3LCD技术更精准还原色彩, 呈现真实画面。

The red and blue dual-laser system delivers an expanded color gamut, achieving ≥100% REC.709 and ≥92% DCI-P3 coverage for superior color performance. Combined with 3LCD technology, it ensures precise color reproduction and true-to-life image quality.

Positioned in professional engineering projector

定位于专业工程投影机, 光学、结构、散热等多方面优化确保稳定光输出

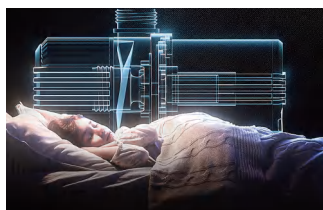


产品定位于专业工程投影机, 采用更稳定的光机架构设计、结构和散热设计充分考虑高亮度、高热量以及严酷环境下的稳定运行。普通LCD投影机的液晶板冷却方式为一侧进风, 本产品的冷却方式为两侧同时进风, 两道风在液晶板的中部位置产生螺旋状气流, 可以均匀地对液晶板进行散热, 这一系统能够使液晶板和偏光板寿命倍增, 减少风扇噪音。简约合理的风流路设计确保了产品的稳定光输出。

The product is positioned for professional engineering projector, 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。



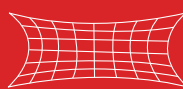
The core optical engine of the projector is fully sealed in a closed space made of metal magnetic die-casting, and heat is conducted through fast thermal conductive materials, effectively solving the heat dissipation problem in the closed space. Fans in enclosed spaces can rotate at high speed and have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

支持梯形、2*3格点, 曲面补正几何校正。支持融合四点校正, 多点梯形校正

支持V: $\pm 30^\circ$ H: $\pm 30^\circ$ 梯形校正, 支持六角拉伸(2*3), 支持曲面校正。支持融合梯形校正, 在边缘融合模式下支持融合四点校正和多点梯形校正。丰富的几何校正功能, 使得用户在投影平面、弧形等场景时, 不用外接处理设备即可获得完美的投影画面。

Support grid geometry correction

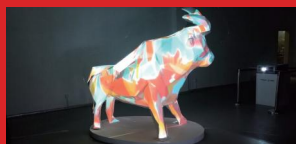
This projector supports vertical (V) and horizontal (H) keystone correction of up to ± 30 degrees, 6-point distortion correction (2x3 grid), and curved surface correction. It also features blended keystone correction, and in edge-blending mode, supports 4-point blend correction and multi-point keystone correction. These comprehensive geometric correction capabilities allow users to achieve perfect projection on flat, curved, and other surfaces without the need for external image processors.



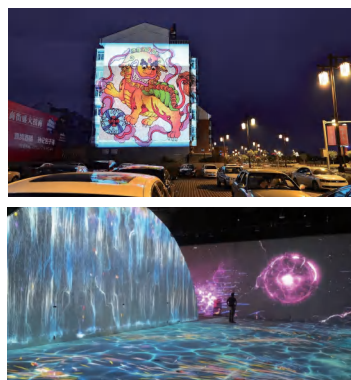
更高弹性拉伸
Higher elastic stretch



更贴合画面
More fitting to the screen



22900 ISO流明, 无惧强光 22900 ISO lumens, fearless of strong light



白光亮度和色彩亮度同时高达22900 ISO流明, 在展厅展馆以及部分室外晚间等场景下, 无惧环境光的影响。

The projector delivers both a white brightness and color brightness of up to 22,900 lumens, ensuring excellent performance in environments such as exhibition halls, galleries, and certain outdoor evening settings, unaffected by ambient light.

配备电动镜头, 投射比涵盖0.52~7.02镜头, 灵活应用于各种空间 Projection ratio covers 0.52-7.02 lenses

配备电动镜头, 支持电动位移、电动聚焦、电动变焦。支持镜头记忆, 镜头载入功能, 可更换镜头覆盖投射比 0.53-0.65/0.65-0.87/0.86-1.25/1.24-2.01/1.98-3.95/3.95-7.51/0.52/0.6/0.62/0.72/0.78/1.19-1.62/1.57-2.56/2.1-3.4/3.6-5.7/3.5-6.3 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。

Equipped with a motorized lens, it supports motorized shift, focus, and zoom. With lens memory and loading functions, the interchangeable lenses cover throw ratios of 0.53-0.65, 0.65-0.87, 0.86-1.25, 1.24-2.01, 1.98-3.95, 3.95-7.51, 0.52, 0.6, 0.62, 0.72, 0.78, 1.19-1.62, 1.57-2.56, 2.1-3.4, 3.6-5.7, and 3.5-6.3.



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。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 features a dual HDMI backup design with two HDMI ports. If one port fails during operation, the other port can be used as an emergency backup to minimize project impact. It also includes an HDMI loop-through function, which simplifies cabling when stacking two units for use.



支持吊装自动翻转画面 It supports automatic image inversion for ceiling mounting.

投影内置感应装置, 当投影吊装使用时, 投影的画面和OSD菜单会自动切换为吊装模式, 不用做设置, 用户看到的就是正常视角的画面, 使用更便利。

The projector features a built-in sensor that automatically detects ceiling mounting. When installed overhead, both the projected image and on-screen display (OSD) menu are instantly inverted to the correct orientation without any manual setup, ensuring a perfectly upright view for the user and greater ease of use.



标配RJ45、RS232接口, 支持DMX512等多种控制方式 Standard RJ45 & RS232 ports, support DMX512 control.

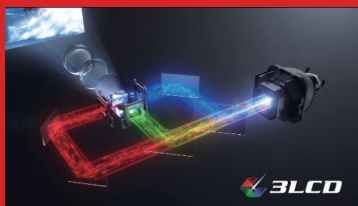
产品标配了RJ45、RS232接口, 支持IR遥控、按键板控制、网口、串口等多种控制方式和控制协议, 支持DMX512 ID 分配控制, 可使用DMX512转接线缆, 连接投影机和控制台, 可以实现同步控制或单独控制同时使用的多台投影机设备, 从而进行舞台灯控制, 最多可同时控制12台投影机。

Standard RJ45 & RS232 ports support multi-protocol control (IR, keypad, network, serial). DMX512 ID assignment enables synchronized/individual control of up to 12 projectors via console connection for stage lighting.

3LCD投影技术, 搭载3*1.0寸液晶芯片 3LCD projection technology, equipped with a 3 * 1.0-inch LCD chip

采用色彩表现更出色的3LCD技术, 搭载3*1.0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。

液晶面板和荧光轮均采用无机材料, 耐热抗老化, 具有更长的使用寿命, 整机的光路性能更加可靠。



色彩更艳丽, 细节更突出
More vibrant colors and prominent details

By adopting the 3LCD technology with better color performance and equipped with a 3 * 1.0-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.

采用远心光学架构 Adopting telecentric optical architecture



大屏融合更自然
Large screen fusion is more natural



色彩均匀度
Color 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.

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。

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

支持亮度调节功能 Supports brightness adjustment function.

具备智能调节亮度功能, 支持50%~100%亮度之间任意调节。

It features an intelligent brightness adjustment function, supporting free adjustment within the 50% to 100% brightness range.

支持光源备份功能 Supports backup light source functionality.

机器内部的激光LD坏了, 机器还能正常工作。

The machine can still operate normally even if the internal laser LD fails.

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