

迪恒
股份

DU500ST

LASER

PROJECTOR

金星系列激光工程投影机



Product parameters

产品参数

金星系列-DU500ST工程激光投影机

Venus series-DU500ST Laser Engineering Projector

型号(Model): DU500ST	亮度(Brightness): 5000 ISO流明 (lumen)
显示芯片(Display chip): 3*0.64"	投射比(Projection Ratio): 0.44
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): 55"~130"
光源寿命(Light source lifespan): 20000 hour	噪音(Noise): 37decibel
电压(Voltage): 100~240V@ 50/60Hz	扬声器(Speaker): 16W*1
投影角度(Projection angle): 2*360°	梯形校正(Keystone): V: ±15° H: ±15°
吊装翻转(Lifting and flipping): 支持 (support)	尺寸(Size): 390*319*144 (mm)
重量(Weight): 5.2 (kg)	

聚焦方式(Focusing method): 手动 (hand movement)

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, f 6.39mm

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

Lightweight design compact and flexible

轻量化设计, 小巧灵活

采用轻量化的设计理念, 产品尺寸只有390*319*144mm, 重量仅有5KG, 通过提高产品能效, 亮度高达5000 LM段。相比竞品产品更加轻便, 安装使用更灵活, 同时更加节能环保。

Adopting a lightweight design concept, the product size is only 390 * 294 * 128mm and weighs only 5Kg. By improving product energy efficiency, the brightness can reach up to 5000lm. Compared to competing products, it is lighter, more flexible to install and use, and more energy-efficient and environmentally friendly.

5000 ISO流明, 无惧强光 5000 ISO lumens, fearless of strong light

白光亮度和色彩亮度同时高达5000 IOS流明, 在高端宴会厅、会议室、展厅展馆等场景下, 无惧环境光的影响, 输出优质的画面效果。



The white light brightness and color brightness can reach up to 5000 ISO lumens at the same time. In high-end banquet halls, conference rooms, exhibition halls, and other scenes, it is not afraid of the influence of ambient light and outputs high-quality visual effects.

短焦镜头0.44投射比, 灵活应用于各种空间 Short focus lens with a projection ratio of 0.44

无论是狭小空间或是大空间远距离投影, 0.44投射比均可以达到优质的画面效果。

Whether it is a narrow space or a long distance projection in a large space, a projection ratio of 0.44 can achieve high-quality visual effects.



新型MCL激光光源, 光源寿命长达20000小时

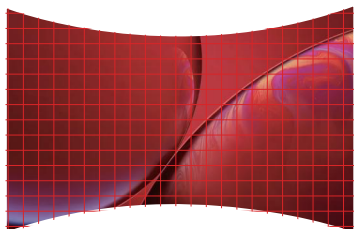
搭载NICHIA 更新一代MCL激光光源, 该光源品质更稳定, 体积更小、能效更高。投影在正常模式下光源寿命长达20000小时, 节能模式下长达30000小时。



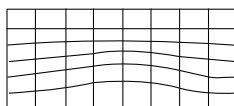
New MCL laser light source with a lifespan of up to 20000 hours

Equipped with the latest generation MCL laser light source from NICHIA, 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.

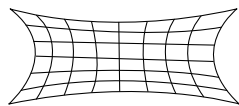
支持4点、2*3格点, 11*17格点几何校正 Support grid geometry correction



贴合屏幕弧度
Fit to screen curvature



中心形变
Central deformation



更高弹性拉伸
Higher elastic stretch

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.

红光占比达14%, 100% CLO, 105% REC70色域占比, 色彩更艳丽 Red light accounts for 14%, 100% CLO, 105% Rec70 color gamut

红光占比达14%, 100% CLO, 105% REC70色域占比, 相比较竞品, 各项色彩指标均表现优异, 投影画面色彩更艳丽、画质更细腻。

Red light accounts for 14%, 100% CLO, and 105% Rec70 color gamut. Compared to competitors, all color indicators have performed excellently. The projection screen has more vibrant colors and finer image quality.



支持吊装自动翻转画面 Support automatic flipping of lifting images

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 projection is equipped with a built-in sensing device. When the projection is used for lifting, the projection screen and OSD menu will automatically switch to lifting mode without setting. Users can see the normal perspective screen, which is more convenient to use.



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.



支持26种语言 Supports 26 languages

支持包含英语、德语、法语、意大利语、葡萄牙语、日语、简体中文、繁体中文在内的26种语言。

Supports 26 languages including English, German, French, Italian, Spanish, Japanese, Simplified Chinese, and Traditional Chinese.



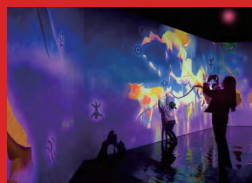
标配RJ45、RS232接口, 支持多种控制方式 Standard RJ45、RS232 interfaces multiple control methods

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.

无仰角设计, 吊装场景下, 顶部恰好投满画面

产品采用无仰角设计, Offsset为100%, 在桌面正投场景下, 投影画面的最低边缘和镜头所在水平线平齐。在吊装场景下, 顶部恰好可以投满画面。在宴会厅、展厅、餐厅等墙面投影场景下, 墙面可以获得更大面积的投影, 提升美感。



Elevated angle design, in the lifting scene the top is well projected to fill the screen

The product adopts an elevation free design, with a 100% OFF SET. In a desktop projection scene, the lowest edge of the projected image is flush with the horizontal line of the lens. In the lifting scene, the top can perfectly fill the screen. In banquet halls, exhibition halls, restaurants and other wall projection scenes, the wall can obtain a larger area of projection, enhancing aesthetics.

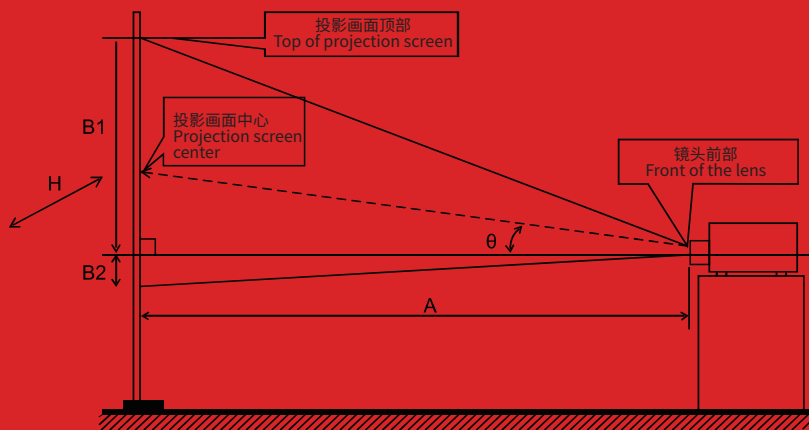
WUXGA (1920*1200) 物理分辨率, 支持4K, 画质更细腻 WUXGA (1920 * 1200) physical resolution, supporting 4K

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 screen is more delicate, and the details are displayed more vividly and richly.

投影距离表

Projection distance table



16:10宽高比 aspect ratio

屏幕尺寸 screen size	A/m	H/m	B1+B2/m	B1/m	B2/m
55	0.514	1.185	0.740	0.733	0.0074
60	0.568	1.292	0.808	0.800	0.0081
70	0.668	1.508	0.942	0.933	0.0094
80	0.769	1.723	1.077	1.066	0.0108
90	0.869	1.939	1.212	1.099	0.0121
100	0.969	2.154	1.346	1.333	0.0135
130	1.265	2.800	1.750	1.733	0.0175

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