

迪恒  
股份

**DU530UST**

# LASER PROJECTOR

北斗系列激光工程投影机



# Product parameters

## 产品参数

### 北斗系列-DU530UST工程激光投影机

Beidou series-DU530USTLaser Engineering Projector

型号(Model): DU530UST	亮度(Brightness): 5300 ISO流明 (lumen)
显示芯片(Display chip): 3*0.64"	投射比(Projection Ratio): 0.235
CLO: 100%	对比度(Contrast ratio): 5000000:1
Offset: 117%	均匀度(Uniformity): ≥80%
中心亮度(Center brightness): 5500流明 (lumen)	画面尺寸(Screen size): 80"~120"
投影技术(Projection technology): 3LCD	色彩范围(Color Range): 105% REC.709
分辨率(Resolution ratio): 1920*1200 (16:10)	红光占比(Red light proportion): 15%
光源(Light source): MCL激光光源 (laser source)	噪音(Noise): 37decibel
光源寿命(Light source lifespan): 20000 hour	扬声器(Speaker): 16W*1
镜头参数(Lens parameters): F 1.7, F 2.94mm	投影角度(Projection angle): 2*360°
色彩亮度(Color Brightness): 5300流明 (lumen)	电压(Voltage): 100~240V@ 50/60Hz
吊装翻转(Lifting and flipping): 支持 (support)	梯形校正(Keystone): V: ±5° H: ±5°
重量(Weight): 11 (kg)	尺寸(Size): 520*435*168 (mm)

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

自定义开机logo(Custom startup logo): 支持 (support)

USB 视频传输(USB video transmission): 支持 (support)

聚焦技术(Lens parameters): 边角/中心分离式 ( Corner/center separation focusing technology)

输入接口(Input): VGA\*1, HDMI 1.4B(IN) \*2, USB-A\*1, USB-B\*1 (Display) , RJ45\*1 (Display) , Audio in (mini jack,3.5mm) \*1

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

几何校正(Contrast ratio): 四角拉伸、六角拉伸、枕形校正、桶形校正、11\*17格点校正 (Quadrangle stretching, hexagonal stretching, pillow correction, barrel correction, 11 \* 17 grid point correction)

控制协议(Control protocol): 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) 360W, (ECO1) (Max) 280W, (ECO2) (Max) 230W

# Newly upgraded curved reflector lens

全新升级的曲面反射镜头, 投射比低至0.235



全新升级的曲面反射镜头, 投射比低至0.235。投影100寸16:10画面仅需要0.505米的投影距离。相比较市面上0.25投射比的超短焦, 投影距离缩短6%。该产品可以灵活解决狭小空间投影大画面的问题。在近距离也可以投影出大画面 (对环境空间的要求更小), 如果投影空间内有人员走动, 短焦投影可以完美避开人的挡光, 进而保证投影画面的完整性。

The newly upgraded curved reflector lens has a projection ratio as low as 0.235. A projection distance of only 0.505 meters is required for a 100 inch 16:10 screen. Compared to ultra short focal lenses with a projection ratio of 0.25 on the market, the projection distance is reduced by 6%. This product can flexibly solve the problem of projecting large images in narrow spaces. Large images can also be projected at close range (with lower requirements for environmental space). If there are people walking in the projection space, short focus projection can perfectly avoid human light blocking, thereby ensuring the integrity of the projected image.

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

物理分辨率高达1920\*1200分辨率支持4K@30HZ信号输入, 投影画面更加细腻, 细节展示更丰富生动。



**WUXGA**  
**4K@30HZ**

Physical resolution up to 1920 \* 1200 resolution, supporting 4K@30hz Signal input, the projection image is more delicate, and the details are displayed more vividly and richly.



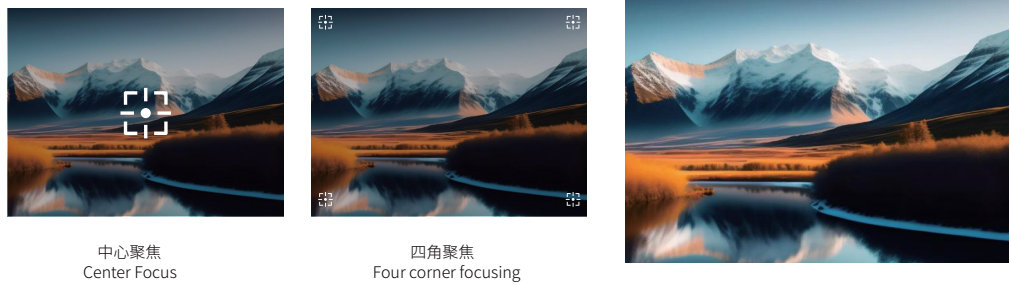
**红光占比达15%, 100%CLO, 105%REC70 色域占比, 色彩更艳丽**

红光占比达15%, 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 15% 100% CLO 105% Rec70 color gamut**

Red light accounts for 15%, 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.

分离式聚焦技术, 可在80寸~120寸尺度范围内聚焦清晰  
Separate focusing technology, capable of focusing clearly within the range of 80 inches to 120 inches



产品采用独特的分离式聚焦技术, 创造性地性的设计了2个聚焦环。投影画面的四角和中心点可以分开聚焦。所以很好解决了超短焦投影在聚焦时四角点和中心点无法同时聚焦清晰的问题。故可在80寸~120寸尺度范围内聚焦清晰。

The product adopts a unique separation focusing technology and creatively designs two focusing rings. The four corners and center points of the projected image can be focused separately. So it effectively solves the problem that the four corner points and the center point cannot be focused clearly at the same time in ultra short focus projection. Therefore, it can focus clearly within the range of 80 inches to 120 inches.



USB-B接口直连PC投影显示  
USB-B interface directly connected to PC projection display

产品的USB-B接口可直连PC电脑的USB接口进行投影显示。在会议等应用场景中, 为用户提供了更多的接线选择。

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.



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.



7\*24小时不间断稳定运行  
7 \* 24-hour uninterrupted stable operation

机器支持7\*24小时不间断稳定运行, 无灯泡光源的炸灯风险。  
The machine supports uninterrupted and stable operation for 7 \* 24 hours, without light bulbs The risk of exploding lights at the source.



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

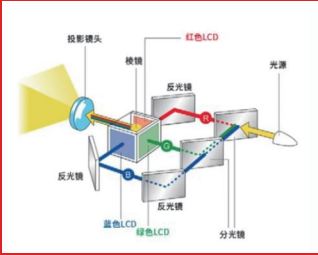
产品标配了RJ45、RS232接口, 支持IR遥控、按键板控制、网口、串口等多种控制方式和控制协议。  
The product comes standard with RJ45 and RS232 interfaces, supporting various control methods and protocols such as IR remote control, button board control, network port, serial port, etc.

### 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。

### Screen window opening and side by side function

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.



### 可选配HDBaseT接口以及无线模块 Optional HDBaseT interface and wireless module

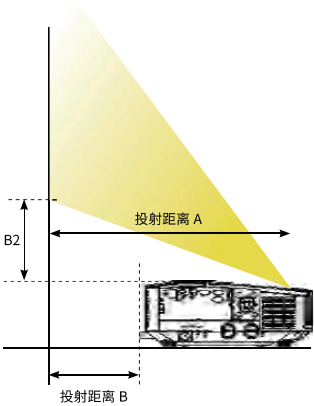
用户可选配HDBASET模块以及无线模块。产品搭载HDBASET模块后可具备HDBASET接口，通过网线连接投影机，信号的传输距离长达70米。无线模块可以提供无线投影功能。

Users can choose to equip HDBaseT modules and wireless modules. After being equipped with the HDBaseT module, the product can have an HDBaseT interface, which can be connected to the projector through a network cable, and the signal transmission distance can reach up to 70 meters. The wireless module can provide wireless projection function.



### 投影距离表 Projection distance table

- 画面宽(Screen width): **H/m**
- 画面高(Screen height): **B1+B2/m**
- 投影距离(projection distance): **A/m**
- 投影距离(projection distance): **B/m**
- 高度位置(Height position): **B2/m**



16:10宽高比aspect ratio					
屏幕尺寸 screen size	H/m	B1+B2/m	A/m	B/m	B2
80	1.723	1.077	0.410	-0.018	0.135
84	1.808	1.130	0.428	0.000	0.144
85	1.831	1.144	0.433	0.005	0.147
90	1.939	1.212	0.456	0.027	0.159
95	2.046	1.279	0.478	0.050	0.171
100	2.154	1.346	0.501	0.073	0.182
110	2.369	1.481	0.546	0.118	0.206
120	2.585	1.615	0.592	0.163	0.230

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