
Sonnoc
SNP-DU180K / SNP-DU210K
Stable and Reliable
HD
High Definition
Flexible Installation
Remote Control
DLP
3D
HDR
NICHIA

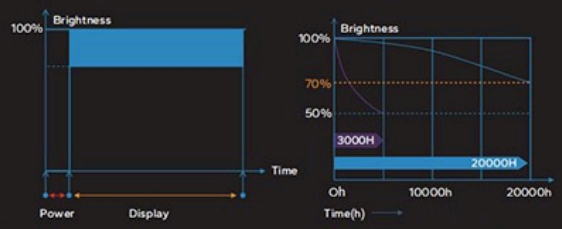
Sonnoc

TI DLP Technology

The DLP chip has strong processing capacity, it can detect different objects in the screen and perform intelligent analysis and processing of brightness, details and colors, bring you an immersive picture quality experience.

Laser Light Source

The working life of the light source is 20,000 hours, the MCL light source design which is more stable to ensure the operation. The high efficiency laser light source combined with DLP display technology delivers extraordinary brightness and high contrast images.



Laser Fluorescence: The combination of laser fluorophores is designed to absorb sufficient light, conveys energy in the form of light to the color wheel. The closed design of optical channel effectively block the external dust that ensure projector be operated stably even in harsh environment. This technology combination makes color coordinate wider and fully cover REC.709 gamut range and achieve better image display.

Projector Image: Using laser fluorescence display technology which overcomes traditional lamp light source technology, improved light source lifetime, display high brightness and high resolution images. The brightness output up to 18,000lm&20,000lm and widely be used for digital content display, exhibition, expo display and industrial manufacturing field.

4K Analysis

Image Analysis

The original display resolution up to 1920 x 1200/120Hz wide format, compatible with 4K resolution signal input and support up to 4096 x 2160 60Hz format, support dynamic image decoding that present perfectly display screen.

Difference of the mouse across the shadow under different refresh rate.

HDR

HDR Dynamic Range

Both the darker and brighter parts can retain higher details when transferring high motion picture or video via HDMI 2.0, restore true image quality.

Contrast Enhance

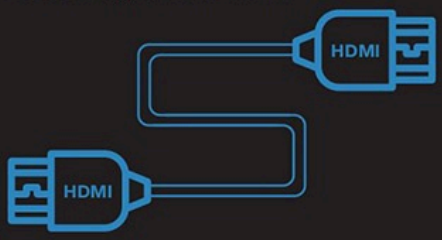
Three contrast modes are available and the contrast mode can be switched according to different videos.

Splicing and Surface Adjustment

Build-in edge fusion function can freely adjust image display fusion overlay area, and adjust color range which correct output brightness and improve the color of fusion area. Improve the mismatches problem of image and resolution through edge pixel disassembly and light path mask.

HDMI2.0

The velocity of 4K of HDMI1.4 is limited at 30 frames per second, HDMI2.0 supports 50/60 frames speed and fluent play 4K videos. The projector supports both HDMI1.4 and 2.0 signal transmission.



Splicing and Curved Surface Adjustment

Multiple Projectors Splicing and Fusion

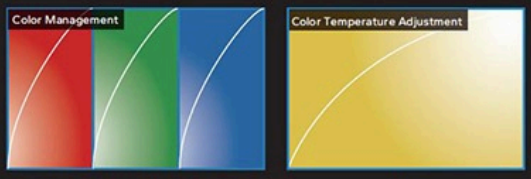
Build-in edge fusion function can freely adjust image display fusion overlay area, and adjust color range which correct output brightness and improve the color of fusion area. Improve the mismatches problem of image and resolution through edge pixel disassembly and light path mask. Support flat surface and curved surface fusion.

Multiple Points Geometric Correction

The display range can be freely adjusted with Sonnoc's deformation software and effectively improve the visual effect and complete information of output screen.

Color Management System

Color unity can be optimized by adjusting the color management system which improve the problem of color inconsistency after the fusion of multiple projectors fused.

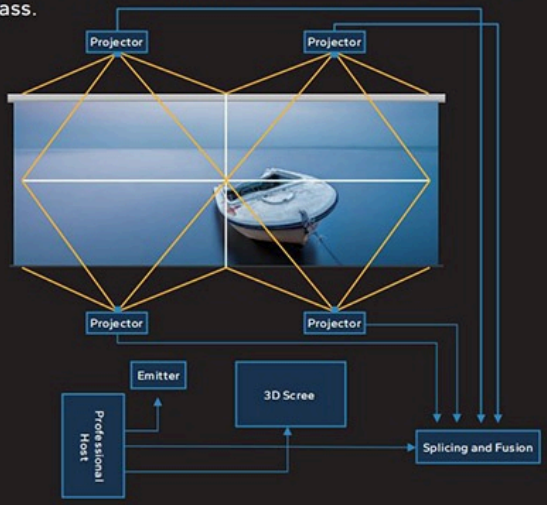


Adjustable: Chroma, Hue, Saturability

TTC

WUXGA 120Hz3D(FL)

Support up and down, left and right, frame encapsulation and frame continuity 3D format, combine with multiple projectors splicing to achieve large 3D screen, and support deformed 3D image output. Resolution up to 1920*1200 120Hz. 3D signal receive and dispatch support: infrared emitter, RF transmitter and DLP Link glass.



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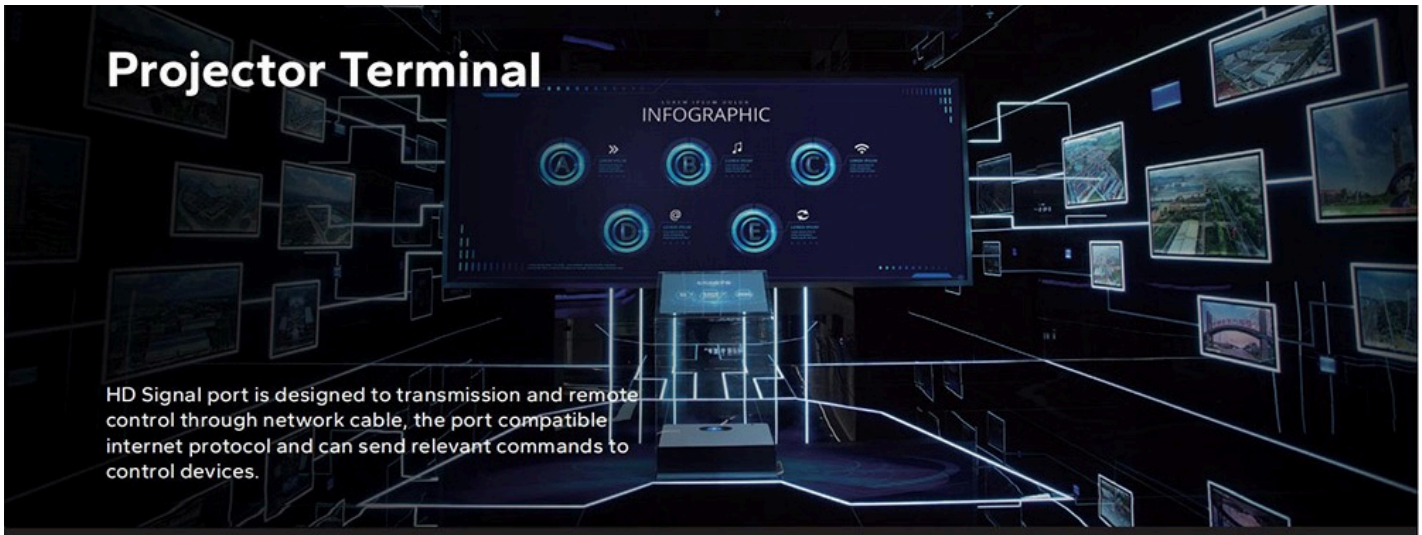
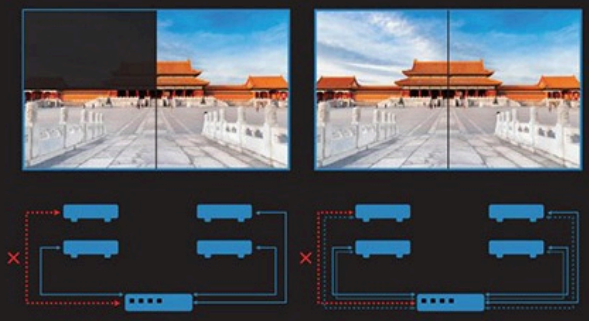
Projector Terminal



HD Signal port is designed to transmission and remote control through network cable, the port compatible internet protocol and can send relevant commands to control devices.

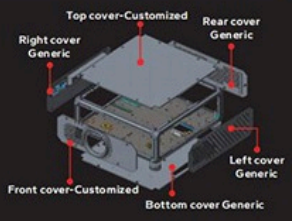
Signal Backup

When the projector is on duty for important presentations, and signal transmission cable is faulty, the projector detects the signal terminal in advance, the IC transfers the instructions to the standby port and start activate emergency display.



Debugging and Maintenance

Modular Decomposition
Modular design decrease the dismantle time of the installation engineer and on-site maintain technician, improve the work efficiency and faulty components replacement.



Debug AV Shading
In order to quick installation and debugging, engineers need to obtain real-time optical display information to confirm the correction of optical path, control optical output mechanical switch through instruction and auxiliary neans.

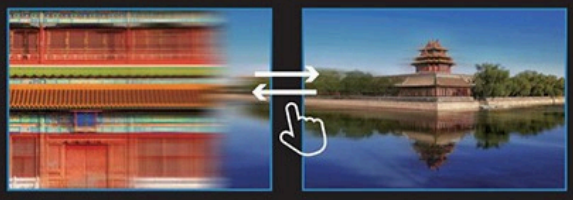
Installation Guarantee

In order to adapt to multiple scenarios, the projector has a fully sealed design for the optical system to prevent dust, and effectively improve the stability to meet a variety of harsh environment operation. Maintain the brightness and saturation of the projecting screen which has been widely using for rental, stage and other outdoor places.

Signal Source Activated and Running
When the signal source port detects the projector signal source, it automatically starting and running.

Dynamic Effect

Open the launch screen to set the display effect which makes content link seamlessly and improve visual effect. Meantime, it also supports the screen display effect of AV Mute closing and starting.



Installation

Support 720° free rotation installation and provide more projection application scheme. Perfectly matching multiple industries application, and meet the requirement of different users under special circumstances.

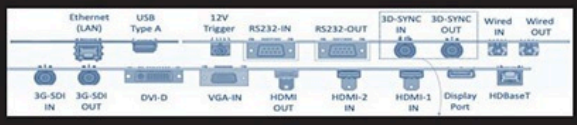
360° Projection

Support Vertical Installation

Quick Start

When the quick start function is on, some key components are still running and projector in pre-working condition. The projector can be started immediately and complete screen output display after sending startup instructions.

IO Interfaces



Message Scheduling

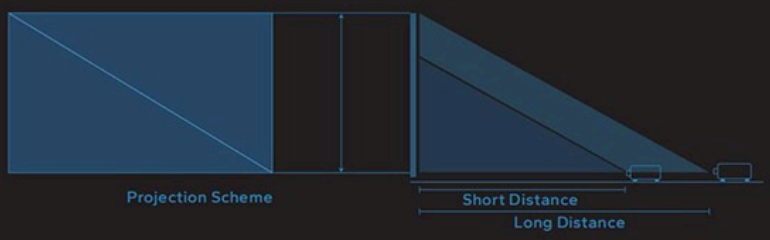
When the projector under the working condition of unattended operation, such as open time scheduling and scheduling functions, it can set the working time of the content and manage the maintenance work by itself. If a fault occurs, it can use the storage IC to save error logs for subsequent troubleshooting.

Lens Information

Lens Advantages

Support lens locking: displacement/focus/zoom, can prevent unauthorized personnel operating. Electric control lens function support electric displacement, electric focus, electric zoom, convenient for technician and user to install and debug.

Displacement Range



Projection Scheme

Projection Screen Size	Projection Size WxH(m)		A11		A18		A19		A20		A21		A22		A23		A27	
			Throw Ratio	0.65	0.84		1.02		1.2		1.5		2		4		7.2	
				0.75	1.02		1.36		1.5		2		4		7.2		10.8	
			Displacement Vertical	20%	5%		5%		120%		120%		120%		120%		120%	
			Horizontal	48%	13%		13%		60%		60%		60%		60%		60%	
	Width	Height	Short Dist	Long Dist	Short Dist	Long Dist	Short Dist	Long Dist	Short Dist	Long Dist	Short Dist	Long Dist	Short Dist	Long Dist	Short Dist	Long Dist	Short Dist	Long Dist
40	0.86	0.54	0.56	0.65	0.688	0.86	0.86	1.204	1.032	1.29	1.29	1.72	1.72	3.44	3.44	6.2	6.2	9.3
50	1.08	0.67	0.7	0.81	0.864	1.08	1.08	1.512	1.296	1.62	1.62	2.16	2.16	4.32	4.32	7.8	7.8	11.7
60	1.29	0.81	0.84	0.97	1.032	1.29	1.29	1.806	1.548	1.935	1.935	2.58	2.58	5.16	5.16	9.3	9.3	13.9
70	1.51	0.94	0.98	113	1.208	1.51	1.51	2.114	1.812	2.265	2.265	3.02	3.02	6.04	6.04	10.9	10.9	16.3
80	1.72	1.08	112	1.29	1.376	1.72	1.72	2.408	2.064	2.58	2.58	3.44	3.44	6.88	6.88	12.4	12.4	18.6
90	1.94	1.21	1.26	1.46	1.552	1.94	1.94	2.716	2.328	2.91	2.91	3.88	3.88	7.76	7.76	14	14	21
100	2.15	1.35	1.4	1.61	1.72	2.15	2.15	3.01	2.58	3.225	3.225	4.3	4.3	8.6	8.6	15.5	15.5	23.2
120	2.58	1.62	1.68	1.94	2.064	2.58	2.58	3.612	3.096	3.87	3.87	5.16	5.16	10.32	10.32	18.6	18.6	27.9
150	3.23	2.02	21	2.42	2.584	3.23	3.23	4.522	3.876	4.845	4.845	6.46	6.46	12.92	12.92	23.3	23.3	34.9
180	3.88	2,42	2.52	2.91	3.104	3.88	3.88	5.432	4.656	5.82	5.82	7.76	7.76	15.52	15.52	27.9	27.9	41.9
200	4.31	2.69	2.8	3.23	3.448	4.31	4.31	6.034	5.172	6.465	6.465	8.62	8.62	17.24	17.24	31	31	46.5
250	5.38	3.37	3.5	4.04	4.304	5.38	5.38	7.532	6.456	8.07	8.07	10.76	10.76	21.52	21.52	38.7	38.7	58.1
300	6.46	4.04	4.2	4.85	5.168	6.46	6.46	9.044	7.752	9.69	9.69	12.92	12.92	25.84	25.84	46.5	46.5	69.8
400	8.62	5.38	5.6	6.47	6.896	8.62	8.62	12.068	10.344	12.93	12.93	17.24	17.24	34.48	34.48	62.1	62.1	93.1
500	10.77	6.73	7	8.08	8.616	10.77	10.77	15.078	12.924	16.155	16.155	21.54	21.54	43.08	43.08	77.5	77.5	116.3
600	12.92	8.08	8.4	9.69	10.336	12.92	12.92	18.088	15.504	19.38	19.38	25.84	25.84	51.68	51.68	93	93	139.5
700	15.08	9.42	9.8	11.31	12.064	15.08	15.08	21.112	18.096	22.62	22.62	30.16	30.16	60.32	60.32	108.6	108.6	162.9
800	17.23	10.77	11.2	12.92	13.784	17.23	17.23	24.122	20.676	25.845	25.845	34.46	34.46	68.92	68.92	124.1	124.1	186.1

Specification

Model		SNP-DU180K	SNP-DU210K
Main Parameter	Projection System	DLP®×1, DLP Projection System	
	Chip Size	0.96" Type A DMD	
	Resolution	1920×1200 (Compatible 4096*2160 60Hz)	
	Central Brightness	19,000lm	21,000lm
	Brightness	18,000lm	20,000lm
	Uniformity	90%	
	Contrast Ratio	Static 1,800:1, Dynamic 10,0000:1, Extreme dark 3,000,000:1	
	Projection Scale	16:10, Compatible 16:9, 4:3	
Light Source	Type	Laser Fluorophobe / Laser Diode	
	Lifetime	Standard Mode: 20,000H	
Lens	Operate Mode	Electric Displacement, Electric Zoom, Electric Focus	
	Lens Options	0.65~0.75:1/0.84~1.02:1/1.02~1.36:1/1.2~1.5:1/1.5~2.0:1/ 2.0~4.0:1/4.0~7.2:1/7.2~10.8:1	
	Lens Type	Zoom Lens (0.65~10.08)	
	Lens Lock	Yes	
Keystone		Yes	
Picture Processing		Built-in edge fusion and geometric correction functions	
Color Optimization		Support Color Optimization	
HDR		Yes	
HDR Mode		Bright, Standard, Moive	
Gamma Adjustment		Yes	
3D		Initiative 3D, support signal synchronization of multiple projectors	
Signal Backup		Yes	
Installation		360°	
Input		DVI-D (Compatible HDCP) x1	
		HDMI2.0 (Support HDCP) x2	
		Display Port1.2 x1	
		HDBaseT x1	
		3G-SDI x1	
		D-sub 15 pin x1	
		3D-Sync In x1	
		Wired Remote x1 3.5mm (For wired remote control)	
		RJ45×1 (For internet control)	
		RS232(D-sub 9pin) x1	
		USB-A x1 (DC-5V)	
Output		HDMI2.0 x1	
		3G-SDI x1	
		3D-Sync out x1	
		RS232(D-sub 9pin) x1	
		Wired Remote x1 3.5mm (For wired remote control)	
		12V Trigger	
Power Specification		100V-240V AC±10%, 50/60Hz	
Projector Power		≥854W	≥1000W
Shell Material		Metal	
Standby Power		≤0.5WLAN ON/≤0.2WLAN OFF	
Size		650 (W) x 710 (D) x 251 (H) mm (Exclude lens/pad)	
Weight		54Kg	
Noise		Standard Mode: 40dB, ECO Mode: 38dB	
BTU / Hour		2904	3400
Work Environment	Altitude	0m-2500m (High altitude mode is used for areas over 1,500meters)	
	Temperature	0-50℃	
	Humidity	10%-85%	

Sole Distributor (Malaysia)
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