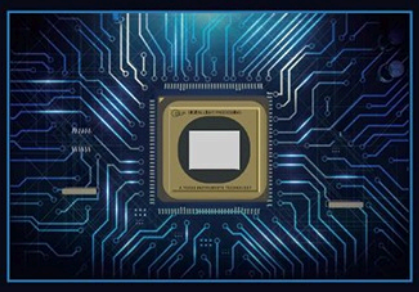
Sonnoc

Large Venue Projectors

SNP-LU13KS / SNP-LU16KS

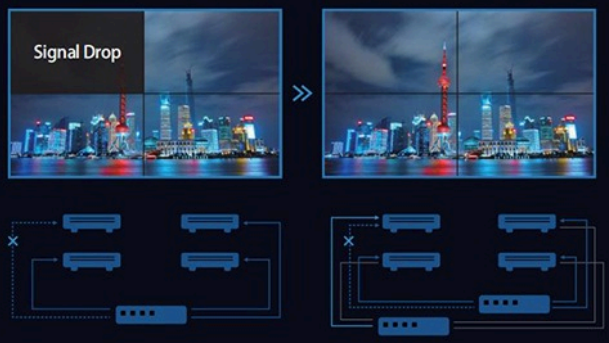
DLP Technology

DLP Technology centers on digital micromirror components (DMD), each DMD micromirror chip contains millions of individually controlled micromirrors and built into the associated CMOS memory unit, through high-speed, efficient, and reliable spatial light to display high quality image.



Signal Backup

When the projector operated to display important contents and signal transmission cable is interrupted, the projector monitors the signal interruption, the IC transfers the instructions to the standby port to quickly start the standby signal display.



Color Performance

SNP-LU13KS and SNP-LU16KS support 4,096*2,160 resolution and support HDR&dynamic contrast range settings, which not only ensure the brightness but image quality.

Stable Operation

The advantages of compact lightweight design and ultra-quiet operation meet more application environments, The MCL laser diode module has a service lifetime up to 30,000 hours (simulation test, not warranty time) and supports all weather 7x24 hours continuous operation.

Quick Installation

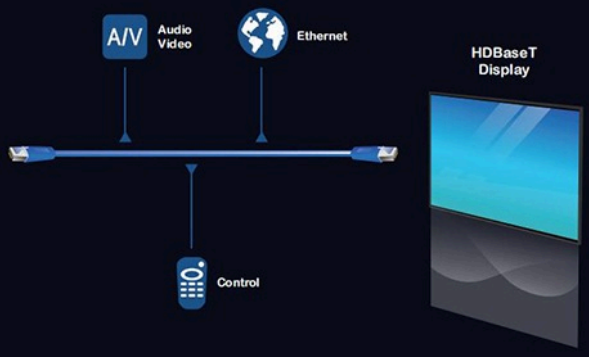
720° Installation and equipped with multiple lenses to meet more applications. The dispatch central management system supports a custom date/time turn on&off. The rental function is designed to customize the operation time, ensure the service of the operator.

Light Source

MCL laser diode module has excellent high reproducibility and excellent light collection performance, keep stable highlight output. Built-in light source backup technology ensure stable image display even if one of the light sources stop working.

Quick Display

HDBaseT port designed to be compatible with network, video, audio and control protocol, which achieving signal display and network remote control through a network cable.

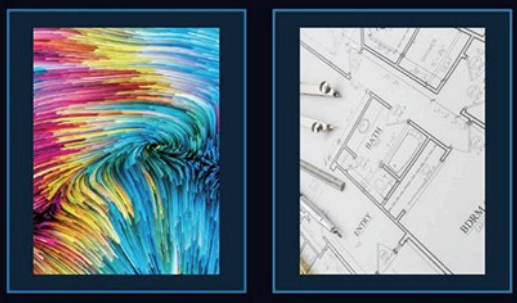


High Refresh Rate Display

SNP-LU13KS/SNP-LU16KS support 4,096*2,160/60Hz which ensure the response speed of dynamic image display, support a full series of 3D format screen display and multiple devices linkage to achieving 3D system construction.

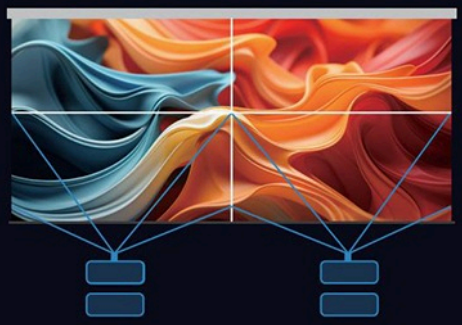
Display Capability

The high-speed reflection characteristics of DMD micromirrors make DLP display technology stand out and consistently delivers bright and colorful images and clear text content.



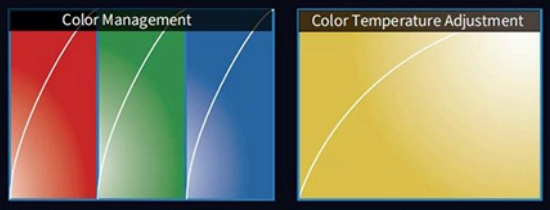
Splicing and Blending

The built-in edge blending function can freely adjust the display fusion overlay area to adjust the color area, and correct the output brightness in the dark field to improve the color of the splicing area. The problem of mismatch between image and resolution is improved by removing edge pixel and light path mask. The image type supports blending of flat and curved screen.



Color Management System

HSG color management system can independently adjust the R/G/B/C/Y/M/W color components to change the color of the display image. By adjusting the color to obtain color consistency output, solve the display color difference problem after multiple projectors fusion.

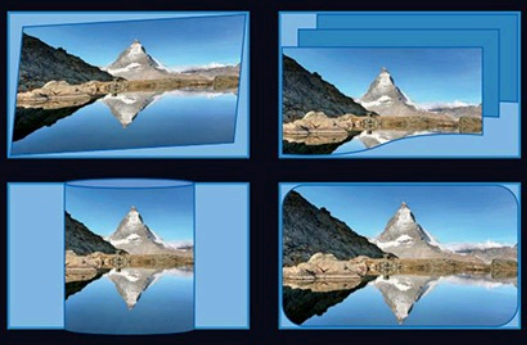


Chroma, hue and saturation adjustable

TTC

Anamorphic

Anamorphic function supports 2x2, 3x3, 5x5, 9x9, 17x17 pixel accurate adjustment to achieve ideal display image. It can store 5 kinds of memory image deformation data, support local and remote data reading to achieve scenario switching.



Specifications

Model		SNP-LU13KS	SNP-LU16KS
Main Parameters	Projection System	DLP®Chipx1, DLP Projection System	
	Chip Size	0.67"DMD	
	Resolution	1,920x1,200, compatible 4K	
	Brightness*1	13,000lm(Center)	15,500lm(Center)
	Uniformity*2	90%	
	Contrast*2	100,000:1 (Dynamic)	
Light Source	Type	MCL Laser Diode Module	
	Lifetime	20,000H(Standard Mode), 30,000H(Eco Mode)	
Lenses	Optional Lenses	0.36:1/0.65-0.75:1/0.75-0.95:1/0.95-1.22:1/1.22-1.53:1/1.52-2.92:1/2.90-5.50:1	
	Image Shift	Vertical: 100% / Horizontal: 30%	
	Operation Mode	Electric Focus/Zoom/Shift	
Keystone		H: ±30 / V: ±20	
Splicing&Blending		Support	
Color Clibration		HSG Color Management System	
3D		Active 3D	
Installation		Horizontal/Vertical 720° Installation	
Safety Lock Slot		Support	
Input		HDMI x2 (V2.0 compatible 4K support HDCP*3)	
		DVI-D(compatible HDCP*3) x1	
		HDBaseT*4 x1	
		3G-SDI x1	
		3D-Sync x1	
Output		HDMI x1(V2.0 compatible 4K support HDCP*3)	
		3D-Sync x1	
Control		RJ45 x1 (network control)	
		RS232(D-sub 9pin) x1	
		USB type Ax1(DC5V/2A)	
		Wired IRx1 (3.5mm for wired remote control)	
		12V flip-flop (3.5mm) x1	
Power Supply		100-220V AC±10%, 50/60Hz	
Power Consumption		680W ±15%	895W ±15%
Size		532mm(L)x484mm(W)x200mm(H)	
N.W.		21kg	
G.W.		26kg	
Noise		38dB(Standard) / 35dB(Eco)	40dB(Standard) / 37dB(Eco)
Working Environment*5	Altitude	0~2,500m(switch to high altitude mode when altitude over 1,500m)	
	Temperature	0~40°C	
	Humidity	10%-85%, no condensation	
BTU		2,750/h	3,480h
Accessories		Remote Control x1, Power Cable x1	

Remark:

1. The light output value is measured in the center of projected screen. Average value.
2. Base on ISO/IEC 21118:2020 Standard.
3. HDCP Protocol (High-bandwidth Digital Content Protection).
4. HDBaseT Trademark from HDBaseT alliance.
5. The service life of optical components may be reduced when the projector operated at high altitude and temperature over 35°C, lower environment temperature suggested.

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