

# Sonnoc

High-Definition Laser Projector



## Specifications

Projector Series		New Helmsman
Model		SNP-LU11K
Parameters	Projection System	Single-Chip DLP®
	Chip	0.67"
	Resolution	1920×1200
	Brightness*1	10500 lumens
	Uniformity*1	90%
	Contrast Ratio*1	100000:1
	Aspect Ratio	16:10
Light Source	Type	RgB Dual Color Laser
	Life	Standard: 20000 hr / Economic Mode: 25000 hr
Lens	Type	6 Motorized Lens: Motorized Shift / Motorized Zoom / Motorized Focus
	Coefficient	Zoomed Lens (0.36 - 5.50)
	Horizontal	±15% (Standard lens)
	Vertical	±50% (Standard lens)
Keystone Adjustment	Horizontal	±20°
	Vertical	±20°
Mounting		Ceiling / Desktop / Front / Rear DVI-D x1
Input	HDMI 1.4 (Support HDCP*2) x1	
	15-pin Mini-Dsub x1	
	HDBaseT*4 x1	
	3G-SDI x1	
	3D-Sync x1	
	Wired Remote x1 3.5mm for wired remote	
	RJ45 x1 for network control	
	RS232 (D-sub 9 pin) x1	
	miniUSBx1 for firmware upgrade	
	USB-A x1 for wireless projecting	
Output	15-pin Mini-Dsub x1	
	HDMI 1.4 (Support HDCP*2) x1	
Power Supply		100-240V AC±10%, 50/60Hz
Power Consumption		Standard Mode: 1050W
Material		Plastic
Stand-by Power Consumption		< 0.5W
Dimensions (WxDxH)		484mm x 519mm x 181mm (Body)
Weight		23.5kg (Body)
Noise		Standard Mode: 38dB / Economic Mode: 36dB
Operating*3	Altitude	0 - 2500m (Switch to High Altitude mode at 1500m or higher)
	Temperature	5 - 40°C, non-condensing
	Humidity	10%-85%
Typical		AAA Battery x2, Remote Control x1, Power Cord x1, VGA Cord x1, CD-ROM Manual x1, Quick Start Guide, Warranty Card, Lens Ring, Certification
Optional		HDBaseT*4 (for long distance transmission), USB Dongle (for wireless transmission)

### Remark:

1. Measured under ISO21118 Standard
2. HDCP: High-bandwidth Digital Content Protection
3. Operating at high altitude area with the temperature 35°C or higher might cause the optical components fail sooner
4. HDBaseT trademark is owned by HDBaseT Alliance

### Input/Output interfaces



### Designated supplier

Sonnoc Inc  
11940 Goldring Road, Suite D, Arcadia, CA 91006  
Tel: 626-357-8388 Fax: 626-357-1411  
E-mail: sales@sonnoc.com  
Website: www.sonnoc.com



Scan, more information

# Sonnoc

## SNP-LU11K

### State of the Art Dual Laser Projector



- 10500 LM
- 1920 × 1200
- 100000 : 1
- 720° Rotation
- Instant Power on/off
- HDBaseT Distant Transmission
- Support Active 3D
- Blue & Red Dual Laser



www.sonnoc.cn

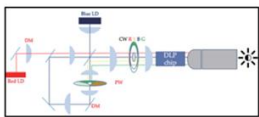
## Truly Lifelike Images

Powered by dual color laser light source (RgB Laser) and DLP® technology, it presents high resolution, excellent color and brightness performance. It also features active 3D, multi-point geometric correction, 720° mounting orientation and 100,000:1 contrast ratio. Perfect choice for various environments. Applicable to private cinemas, lecture halls, auditoriums, conference rooms, control centers, exhibition halls, interactive entertainment and so on.



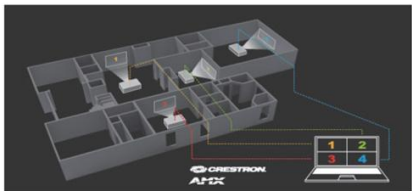
## Dual Color Laser

SNP-LU11K uses RgB dual color laser to present HSG more accurately through blue and red diodes to enhance hue and saturation. It generates more vivid images than traditional projectors with laser phosphors.



## Network Functions

"Control Management - LAN" option for remote projection can be found in the Configuration menu. Via RS-232, RJ-45 ports, users may monitor and manipulate projectors through central control software such as Crestron, AMX, PJ-link or others. This function allows users to do real-time monitoring and troubleshooting to lower the maintenance costs and time.



## 100,000:1 Contrast Ratio

Along with a few other key display parameters, contrast ratio is a critical component in device selection among various display technologies. In general, better contrast ratio means clearer, more detailed images.



## Automatic Motion Compensation

DLP® has high-speed pixel switching capability which is able to eliminate the blur, smear or ghosting caused by fast-moving objects to present sharper motion objects.



## HD Widescreen Resolution

Support HD and Full HD content, enjoy the widescreen experiences.



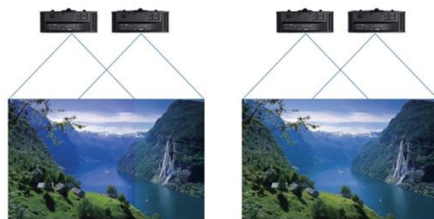
## Keystone Correction

Normally, the projector must be positioned with a 90° angle against the wall or screen in order to get the better projection performance or a keystone effect occurs. With New Helmsman series projectors, the built-in "Keystone correction" allows you to correct the keystone effect easily.



## Edge Fusion

Built-in edge fusion function supports matrix (M\*N) fusion.



## Geometric Correction

With the geometric correction function, the projector can easily project images which will look square on cylindrical, spherical or other shapes of screen.



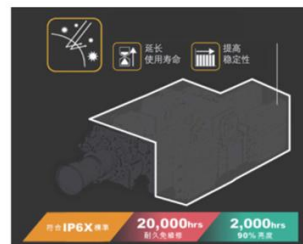
## Motorized Lens

Easily and remotely adjust the vertical and horizontal projection position as well as the zoom level without physical touch.



## Dust-Proof

Innovative dust-proof design completely block external dust and particles into the system. The entire system is completely sealed and free from external dust. This dust-proof technology meets IP6X standard, greatly enhance the system stability to sustain brightness and saturation. Applicable to equipment leasing and outdoor use.



## Ultra Short Throw

There is an optional 0.36:1 lens for SNP-LU11K for ultra short throw projection. It is easier to install and applicable for subway advertisement, window display, product launches, gaming applications and so on.



## Irregular 3D Display

Projecting any shapes of content via warping software with the built-in DLP-Link 3D function, which allows you to project irregular 3D contents easily. Supported input formats include frame packing, frame sequential, top-bottom, and side-by-side.



## HDBaseT<sup>4</sup>

HDBaseT ensures reliable, long-distance transmission of high resolution audio and video signals simply by a common category cable, which means you may also reduce the cost and complexity in the installation and maintenance for a system involved long-distance transmission.



## Browser-based Application

Access the control panel of the projector through a browser to set up power options and switch signals. Compatible with Crestron and AMX Dynamic Device Discovery.



## SNP-LU11K

Model	A15		A01		A06(Standard)		A03		A13		A16		
	Vertical	±50%	±50%		±50%		±50%		±50%		±0%		
Lens Shift	Horizontal	±15%	Ratio:0.75	Ratio:0.95	Ratio:0.95	Ratio:1.22	Ratio:1.22	Ratio:1.53	Ratio:1.52	Ratio:2.92	Ratio:2.9	Ratio:5.5	Ratio:0.36
Screen Size	Screen Width	Ratio:0.75	Ratio:0.95	Ratio:0.95	Ratio:1.22	Ratio:1.22	Ratio:1.53	Ratio:1.52	Ratio:2.92	Ratio:2.9	Ratio:5.5	Ratio:0.36	
50"	1.08	0.81	1.03	1.03	1.32	1.32	1.65	1.64	3.15	3.13	5.94	0.39	
80"	1.72	1.29	1.63	1.63	2.10	2.10	2.63	2.61	5.02	4.99	9.46	0.62	
100"	2.15	1.61	2.04	2.04	2.62	2.62	3.29	3.27	6.28	6.24	11.83	0.77	
120"	2.58	1.94	2.45	2.45	3.15	3.15	3.95	3.92	7.53	7.48	14.19	0.93	
150"	3.23	2.42	3.07	3.07	3.94	3.94	4.94	4.91	9.43	9.37	17.77	1.16	
180"	3.88	2.91	3.69	3.69	4.73	4.73	5.94	5.90	11.33	11.25	21.34	1.40	
200"	4.31	3.23	4.09	4.09	5.26	5.26	6.59	6.55	12.59	12.50	23.71	1.55	
250"	5.38	4.04	5.11	5.11	6.56	6.56	8.23	8.18	15.71	15.60	29.59	1.94	
300"	6.46	4.85	6.14	6.14	7.88	7.88	9.88	9.82	18.86	18.73	35.53	2.33	
350"	7.51	5.63	7.13	7.13	9.16	9.16	11.49	11.42	21.9	21.8	41.3	2.7	

# Sonnoc

## Specifications

Projector Series		New Helmsman
Model		SNP-LU8500
Projection System		DLP®
Chip		0.67"
Resolution		1920x1200
Brightness <sup>1</sup>		8200 lumens
Uniformity <sup>1</sup>		90%
Contrast Ratio <sup>1</sup>		12000:1
Aspect Ratio		16:10
Light Source	Type	RGB Dual Color Laser
	Life	Standard: 20000 hr / Economic Mode: 25000 hr
Lens	Type	5 Motorized Lens: Motorized Shift / Motorized Zoom / Motorized Focus
	Coefficient	Zoomed Lens (0.75 - 5.50)
	Horizontal	±15°
	Vertical	±50°
Keystone Adjustment	Horizontal	±20°
	Vertical	±20°
Mounting		Ceiling / Desktop / Front / Rear
Input	DVI-D x1	
	HDMI 1.4 (Support HDCP <sup>2</sup> ) x1	
	15-pin Mini-Dsub x1	
	HDBaseT <sup>4</sup> x1	
	RJ45 x1 for network control	
	USB-A x1 for wireless projecting	
	Wired Remote x1 3.5mm for wired remote	
	RS232 (D-sub 9pin) x1	
Output	miniUSBx1 for firmware upgrade	
	HDMI 1.4 (Support HDCP <sup>2</sup> ) x1	
	15-pin Mini-Dsub x1	
Power Supply		100-240V AC±10%, 50/60Hz
Power Consumption		Standard Mode: 770W / Economic Mode: 395W
Material		Plastic
Stand-by Power Consumption		< 0.5W
Dimensions (WxDxH)		484mm x 519mm x 181mm (Body)
Weight		23kg (Body)
Noise		Standard Mode: 36dB / Economic Mode: 33dB
Operating <sup>3</sup>	Altitude	0 - 2500m (Switch to High Altitude mode at 1500m or higher)
	Temperature	5 - 40°C
	Humidity	10% - 85%
Accessories	Typical	AAA Battery x2, Remote Control x1, Power Cord x1, VGA x1, CD-ROM Manual x 1, Quick Start Guide, Warranty Card, A01, A02, A03, A13 Lens Ring
	Optional	HDBaseT <sup>4</sup> , USB Dongle

### Remark:

1. Measured under ISO21118 Standard
2. HDCP: High-bandwidth Digital Content Protection
3. Operating at high altitude area with the temperature 35°C or higher might cause the optical components fail sooner
4. HDBaseT trademark is owned by HDBaseT Alliance

## Input / output interface



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## Designated Dealer

# SNP-LU8500

## State of the Art Engineering Laser Projector



- SNP-LU8500
- 8200 lm
- 1920x1200
- 12000:1
- 720° Rotation
- Instant Power on/off
- HDBaseT Distant Transmission
- Support Active 3D
- Support Picture in Picture



### Truly Lifelike Images

Powered by dual color laser light source (RgB Laser) and DLP® technology, it presents high resolution, excellent color and brightness performance. It also features active 3D, multi-point geometric correction, 720° mounting orientation and 12000:1 contrast ratio. Perfect choice for various environments. Applications: Private cinemas, lecture halls, auditoriums, conference rooms, control centers, exhibition halls, interactive entertainment and so on.



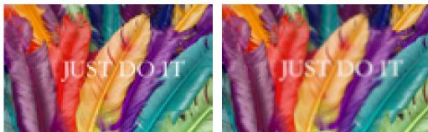
### RgB Laser Makes Color Vivid

Typical laser projectors (blue laser) cannot present all the colors that can be perceived by human eyes, normally it only presents 60% -70% of the Rec. 709 color space. Sonnoc's "New Helmsman" dual-color laser projectors make a revolutionary change on blue laser and phosphor wheel technologies by using the blue and red lasers with green and yellow double complementary color scheme, which can perfectly revert non-laser real colors, also can significantly enhance the performance on color accuracy, contrast and gamut.



### DLP® Pixel Matrix Presents Finer Images and Texts

Comparing with diamond pixels, New Helmsman's matrix of pixels structure makes the edge of images and texts look smoother and clearer.



### 12000:1 Contrast Ratio

Along with a few other key display parameters, contrast ratio is a critical component in device selection among various display technologies. In general, better contrast ratio means clearer, more detailed images.



### Automatic Motion Compensation

DLP® has high-speed pixel switching capability which is able to eliminate the blur, smear or ghosting caused by fast-moving objects to present sharper motion objects.



### HD Widescreen Resolution

Support HD and Full HD content, enjoy the widescreen experiences.



### Keystone Correction

Normally, the projector must be positioned with a 90° angle against the wall or screen in order to get the better projection performance or a keystone effect occurs. With New Helmsman series projectors, the built-in "Keystone correction" allows you to correct the keystone effect easily.



### Edge Fusion

Built-in edge fusion function supports matrix (M\*N) fusion.



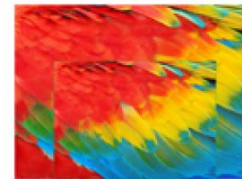
### Geometric Correction

With the Geometric correction function, the projector can easily project images which will look square on cylindrical, spherical or other shapes of screen.



### Motorized Lens

Easily and remotely adjust the vertical and horizontal projection position as well as the zoom level.



### Economic Mode

The new generation of laser light source can switch to economic mode which is able to extend the light source life up to 25,000 hr.



### 3D Function

Support various HD 3D formats and can be easily connected to laptops or Blu-ray players.



### HDBaseT<sup>4</sup>

HDBaseT ensures reliable, long-distance transmission of high resolution audio and video signals simply by a common category cable, which means you may also reduce the cost and complexity in the installation and maintenance for a system involved long-distance transmission.



### Browser-based Application

Access the control panel of the projector through a browser to set up power options and switch signals. Compatible with Crestron and AMX Dynamic Device Discovery.



### SNP-LU8500

Projection Size	Screen Width (m)	A15		A01		A06 (Standard)		A03		A13	
		Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio
		0.75	0.95	0.95	1.22	1.22	1.53	1.52	2.92	2.9	5.5
		Min (m)	Max (m)	Min (m)	Max (m)	Min (m)	Max (m)	Min (m)	Max (m)	Min (m)	Max (m)
50"	1.08	0.81	1.03	1.03	1.32	1.32	1.65	1.64	3.15	3.13	5.94
80"	1.72	1.29	1.63	1.63	2.10	2.10	2.63	2.61	5.02	4.99	9.46
100"	2.15	1.61	2.04	2.04	2.62	2.62	3.29	3.27	6.28	6.24	11.83
120"	2.58	1.94	2.45	2.45	3.15	3.15	3.95	3.92	7.53	7.48	14.19
150"	3.23	2.42	3.07	3.07	3.94	3.94	4.94	4.91	9.43	9.37	17.77
180"	3.88	2.91	3.69	3.69	4.73	4.73	5.94	5.90	11.33	11.25	21.34
200"	4.31	3.23	4.09	4.09	5.26	5.26	6.59	6.55	12.59	12.50	23.71
250"	5.38	4.04	5.11	5.11	6.56	6.56	8.23	8.18	15.71	15.60	29.59
300"	6.46	4.85	6.14	6.14	7.88	7.88	9.88	9.82	18.86	18.73	35.53

\*Tolerance ±10%

\*The information in this document is subject to change without notice.

## Sonnoc Helmsman Series Laser Projectors

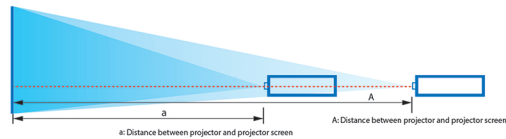
Model		SNP-LU7500
Parameters	Projection System	Single-Chip DLP
	Chip	0.67"
	Resolution	1920×1200
	Center 1 Brightness	8300 lumens
	Brightness <sup>2</sup>	7500 lumens
	Uniformity <sup>2</sup>	90%
	Contrast Ratio <sup>2</sup>	100000:1
Aspect Ratio		16:10 & 16:9 & 4:3
Light Source	Type	Laser
	Life	Standard: 20000 hours Eco: 25000 hours
Lens	Type	6 Motorized Lens: Motorized Shift / Zoom / Focus
	Standard	A06
	Coefficient	0.36-5.5
Keystone Adjustment	Horizontal	±20°
	Vertical	±20°
Mounting		Ceiling / Desktop / Front / Rear DVI-D(HDCP Compatible <sup>3</sup> )x1 HDMI 1.4(HDCP Compatible <sup>3</sup> )x2
Input		15-pin Mini-Dsubx1
		HDBaseT <sup>4</sup> x1
		3D-Sync In x1
		Wired Remote x1 3.5m for wired remote
		RJ45 x1 for network control
		RS232(D-sub 9pin) x1
Output		miniUSB x1 for firmware update
		USB-A x1 (DC-5V)
		15-pin Mini-Dsubx1
		3D-Sync Out x1
Power Supply		100V-240V AC±10%, 50/60Hz
Power Consumption		575W+/-15%(220V AC)
Material		Plastic
Stand-by Power Consumption		<0.5W
Dimensions (WxDxH)		484mm(W)×519mm(D)×178mm(H) (Body)
Weight		17.3Kg
Noise		Standard Mode: 38dB Economic Mode: 36dB
Operating <sup>5</sup>	Altitude	0-2500m(High Altitude mode at 1500m or higher)
	Temperature	5-40°C
	Humidity	10%-85%
Typical		AAA Battery x2, Remote Control x1, Power Cord x1, VGA x1, CD-ROM Manual x1, Quick-Start guide, Warranty Card, A06 Lens Ring
Optional		HDBaseT <sup>4</sup> HD Dongle

### Remark

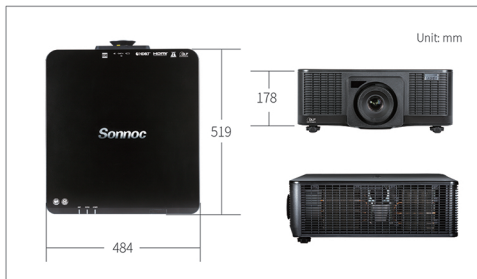
- Center of light source measured under ISO/IEC 21118:2012 standard.
- Measured under ISO/IEC 21118:2012 standard.
- HDCP: High-bandwidth Digital Content Protection
- HDBaseT trademark is owned by HDBaseT Alliance
- Operating at high altitude area with the temperature 35°C or higher might cause the optical components fail sooner.

### ▶ Throw Distance Chart

Model	A16		A15		A01		A06		A03		A13	
	Vert.	Horiz.	NA	50%	50%	50%	50%	50%	50%	50%	50%	
Projection Size	Screen Width (m)	Throw Ratio										
		NA	a	A	a	A	a	A	a	A	a	A
50"	1.08	NA	0.81	1.02	1.02	1.31	1.31	1.64	1.64	2.92	2.9	5.5
80"	1.72	NA	1.29	1.64	1.64	2.10	2.10	2.62	2.62	5.03	5.00	9.48
100"	2.15	NA	1.62	2.05	2.05	2.63	2.63	3.27	3.27	6.29	6.25	11.85
120"	2.58	0.93	1.94	2.46	2.46	3.15	3.15	3.93	3.93	7.55	7.50	14.22
150"	3.23	1.17	2.42	3.07	3.07	3.94	3.94	4.91	4.91	9.43	9.37	17.77
180"	3.88	1.40	2.91	3.68	3.68	4.73	4.73	5.89	5.89	11.32	11.24	21.32
200"	4.31	1.56	3.23	4.09	4.09	5.26	5.26	6.55	6.55	12.58	12.49	23.69
250"	5.38	1.94	4.04	5.12	5.12	6.57	6.57	8.18	8.18	15.72	15.62	29.62
300"	6.46	2.33	4.85	6.14	6.14	7.88	7.88	9.82	9.82	18.87	18.74	35.54



### ▶ Dimension



# Sonnoc

## SNP-LU7500

### State of the Art Engineering Laser Projector



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Tel: 626-357-8388 Fax: 626-357-1411  
E-mail: sales@sonnoc.com  
Website: www.sonnoc.com



- SNP-LU7500
- 7500 lm
- 1920×1200
- 100000:1
- 720° Rotation
- Instant Power On/Off
- HDBaseT Distant Transmission
- Support Active 3D
- Support Picture in Picture
- WGA / WUXGA



# Multi-Projector Edge Blend



## ▶ High Resolution

1920x1200 resolution provides crisp and detailed visual experience.



## ▶ No Rainbow Effect

Colorwheel speed: Faster the colorwheel spins, the better the motion quality. It also supports high frame rate and enhances smoothness of animation, reducing viewer's eye fatigue.



## ▶ Environmental Friendly. Healthier for your eyes.



Laser projectors can last over 2000 hours with consistent brightness and excellent image quality, giving viewers the most pleasant viewing experience.

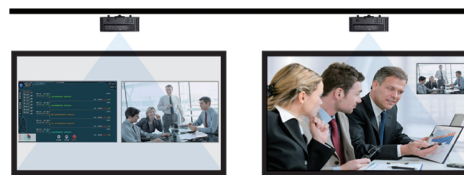
Lights emitted from laser projectors are less likely to flicker and they are reflected through projection screens, making more suitable for prolonged viewing experience.

### Advantages

- Longer life span than lamp
- Less interruptions.
- Higher brightness
- Brightness is more consistent and less prone to fading.
- Supports instant Power On/Off
- Flexible Installation.
- More environmental friendly

## ▶ Two Channel Digital Signal Display

Supports both PBP and PIP function. Sonnoc Helmsman series can receive 2 signals and display them at the same time.

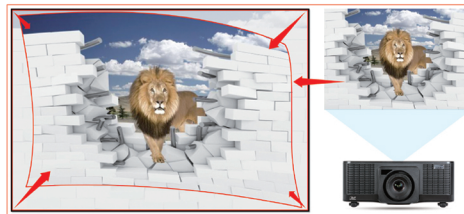


PBP (Picture by Picture) with adjustable display size

PIP (Picture in Picture) PIP can be located anywhere.

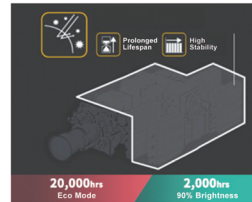
## ▶ Geometric 3D Display

Through Sonnoc's Geometric 3D Display Software, the projector can project images onto any 3D surfaces, ideal for exhibition, theme parks and geographic information system.



## ▶ Dust-Proof

Innovative dust-proof design completely blocks external dust and particles into the system. The entire system is completely sealed and free from external dust, which greatly enhances the system stability to sustain brightness and saturation. Applicable to equipment leasing and outdoor use.



## ▶ Smart Power Switch



- Smart Power Off, Instant Power On
- Special Application Environment
- Suitable for unattended app environment
- Preserves Energy



## ▶ Input / Output Interface



## ▶ 3D High Refresh Rate

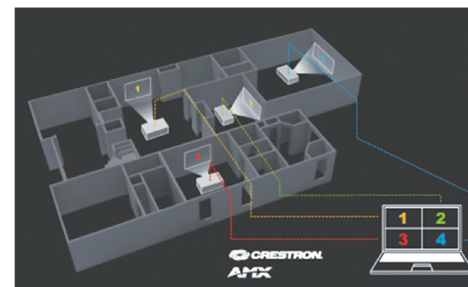


## ▶ HDBaseT

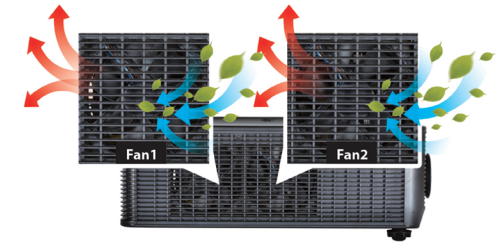


## ▶ Control

Lan control provides variety of tools to control projectors remotely through software, such as Crest, AMX, PjLink and many others.



## ▶ Double Fan Cooling System



## Additional Features

- ▶ Smart Power Switch
- ▶ 720° Mounting
- ▶ Portrait Vertical Display
- ▶ Backlit Remote and 3.5mm Interface Remote & 1 button AV Mute
- ▶ Schedule capability
- ▶ Variety of Lens compatibility
- ▶ Ultra Short Throw compatible

## ▶ 3D Connectivity

- DLP-Link 3D compatible
- IR Transmitter & RF Transmitter
- Supports HDMI 1.4a, Blu-Ray 3D DVD's 3D Video
- Supports: HDMI, DVI, HDBaseT 3D Signal.



## ▶ Keystone Correction

The function of keystone correction can adjust the corners and edges of the picture to the irregular screen, delivering the best image.



## Specifications

Projector Series		Helmsman
Model		SNP-LU7000
Projection System		Single-Chip DLP®
Chip		0.67"
Resolution		1920x1200
Brightness <sup>1</sup>		7000 lumens
Uniformity <sup>1</sup>		90%
Contrast Ratio <sup>1</sup>		12000:1
Aspect Ratio		16:10
Light Source	Type	Laser
	Life	Standard: 20000 hr / Economic Mode: 25000 hr
Lens	Type	5 Motorized Lens: Motorized Shift / Motorized Zoom / Motorized Focus
	Coefficient	Zoomed Lens (0.75 - 5.50)
	Horizontal	±15°
	Vertical	±50°
Keystone Adjustment	Horizontal	±20°
	Vertical	±20°
Mounting		Ceiling / Desktop / Front / Rear
Input	DVI-D x1	
	HDMI 1.4 (Support HDCP <sup>2</sup> ) x1	
	15-pin Mini-Dsub x1	
	HDBaseT <sup>4</sup> x1	
	RJ45 x1 for network control	
	USB-A x1 for wireless projecting	
	Y Cb/Pb Cr/Pr x1	
	RS232 (D-sub 9pin) x1	
	miniUSBx1 for firmware upgrade	
	Wired Remote x1 3.5mm for wired remote	
	15-pin Mini-Dsub x1	
	Wired Remote x1 3.5mm for wired remote	
Output	15-pin Mini-Dsub x1	
Power Supply	100-240V AC±10%, 50/60Hz	
Power Consumption	Standard Mode: 540W / Economic Mode: 260W	
Material	Plastic	
Stand-by Power Consumption	<0.5W	
Dimensions (WxDxH)	484mm x 509mm x 185mm (Body)	
Weight	18kg (Body)	
Noise	Standard Mode: 36dB / Economic Mode: 33dB	
Operating <sup>3</sup>	Altitude	0 - 2500m (Switch to High Altitude mode at 1500m or higher)
	Temperature	5 - 40°C
	Humidity	10% - 85%
Accessories	Typical	AAA Battery x2, Remote Control x1, Power Cord x1, VGA x1, CD-ROM Manual x 1, Quick Start Guide, Warranty Card, Lens Ring
	Optional	HDBaseT <sup>4</sup> , USB Dongle

Remark:

1. Measured under ISO21118 Standard
2. HDCP: High-bandwidth Digital Content Protection
3. Operating at high altitude area with the temperature 35°C or higher might cause the optical components fail sooner
4. HDBaseT trademark is owned by HDBaseT Alliance

## Input / Output Interface



Sonnoc Inc  
11940 Goldring Road, Suite D, Arcadia, CA 91006  
Tel: 626-357-8388 Fax: 626-357-1411  
E-mail: sales@sonnoc.com  
Website: www.sonnoc.com

## Designated Dealer

# Sonnoc

## SNP-LU7000

### State of the Art Engineering Laser Projector



- SNP-LU7000
- 7000 lm
- 1920x1200
- 12000:1
- 720° Rotation
- Instant Power On/Off
- HDBaseT Distant Transmission
- Support Active 3D
- Support Picture in Picture



www.sonnoc.com



### Excellent Brightness and Quality

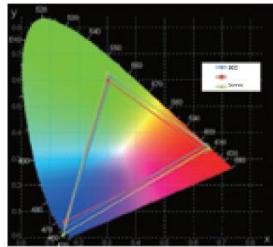
Powered by single-chip DLP® technology, it presents high resolution, excellent color and brightness performance. It also features active 3D, multi-point geometric correction, 720° mounting orientation and 12000:1 contrast ratio. Instant power on / off.

Applications: Private cinemas, lecture halls, auditoriums, conference rooms, control centers, exhibition halls, interactive entertainment and so on.



### Extraordinary Color Performance

The color projected by Sonnoc's "Helmsman" projectors reaches the Rec. 709 color space and makes color vivid.



### HD Projection

Powered by new generation of Texas Instruments DMD chip, the resolution is 1920x1200, which can perfectly project HD content.



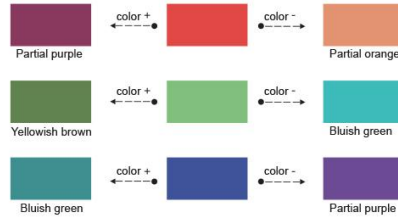
### Energy Saving

Laser provides a more energy-efficient alternative to other projection technologies. Sonnoc's "Helmsman" uses laser light source to achieve its brightness up to 7000 lumens with the power consumption as low as 540W.



### Color Matching

Adjust the color and grayscale with Sonnoc's new color match functions, which cannot only represent lifelike colors on single projector but eliminate brightness and color and differences among multiple projectors.



### Dynamic Black™ Enhances Contrast

The aperture can be adjusted mechanically to enhance the brightness and contrast in dark field images, which makes the images more realistic.



### Auto Light Source Control

The brightness of the laser light source's output is adjusted automatically depending on the original projected image to make the images look lifelike.



### HDBaseT<sup>4</sup>

HDBaseT ensures reliable, long-distance transmission of high resolution audio and video signals simply by a common category cable, which means you may also reduce the cost and complexity in the installation and maintenance for a system involved long-distance transmission.



### 3D Function

Support active 3D function (DLP Link) and can be easily connected to laptops.



### Dual Image Projection

The picture-in-picture function enables the projector to show and position up to two inputs simultaneously on one screen.



### 24/7 Operation



### SNP-LU7000

Projection Size	Screen Width (m)	A15		A01		A02 (Standard)		A03		A13	
		Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio	Throw Ratio
		0.79	1	1	1.28	1.28	1.61	1.6	3.07	3.04	5.78
		Min (m)	Max (m)	Min (m)	Max (m)	Min (m)	Max (m)	Min (m)	Max (m)	Min (m)	Max (m)
50"	1.08	0.81	1.03	1.03	1.32	1.32	1.65	1.64	3.15	3.13	5.94
80"	1.72	1.29	1.63	1.63	2.10	2.10	2.63	2.61	5.02	4.99	9.46
100"	2.15	1.61	2.04	2.04	2.62	2.62	3.29	3.27	6.28	6.24	11.83
120"	2.58	1.94	2.45	2.45	3.15	3.15	3.95	3.92	7.53	7.48	14.19
150"	3.23	2.42	3.07	3.07	3.94	3.94	4.94	4.91	9.43	9.37	17.77
180"	3.88	2.91	3.69	3.69	4.73	4.73	5.94	5.90	11.33	11.25	21.34
200"	4.31	3.23	4.09	4.09	5.26	5.26	6.59	6.55	12.59	12.50	23.71
250"	5.38	4.04	5.11	5.11	6.56	6.56	8.23	8.18	15.71	15.60	29.59
300"	6.46	4.85	6.14	6.14	7.88	7.88	9.88	9.82	18.86	18.73	35.53

\*Tolerance ±10%  
\*The information in this document is subject to change without notice.

### Digital Zoom

The built-in digital zoom function can easily make images fit to various screen sizes.



### 720° Mounting Orientation

Regular projectors can only be installed horizontally with very limited angles (typically ±15°). Sonnoc's "Helmsman" high-definition laser projector can be installed with 720° mounting orientation because of its unique hardware design. It is the best choice for special applications.



### 12000:1 Contrast Ratio

Along with a few other key display parameters, contrast ratio is a critical component in device selection among various display technologies. In general, better contrast ratio means clearer, more detailed images.

### Browser-based Application

Access the control panel of the projector through a browser to set up power options and switch signals. Compatible with Crestron and AMX Dynamic Device Discovery.

### Economic Mode

The new generation of laser light source can switch to economic mode which is able to extend the light source life up to 25,000 hr.

## Sonnoc Lighthouse E Series Engineering Laser Projector

Projector Series		Lighthouse E Series			
Parameters	Model	SNP-ELX550E	SNP-ELW500E	SNP-ELH500E	SNP-ELU520E
	Projection System	Single-Chip DLP®			
	Chip	0.7"	0.65"	0.65"	0.67"
	Resolution	1024x768	1280x800	1920x1080	1920x1200
	Brightness*1	5500 lumens	5000 lumens	5000 lumens	5100 lumens
	Uniformity*1	85%			
	Contrast Ratio*1	100000:1			
	Aspect Ratio	4:3	16:10	16:9	16:10
Audio Output		10W x2			
Light Source	Type	Single Color Laser			
	Life	Standard Mode: 20000 hr			
Lens	Type	Manual Zoom / Manual Focus			
	Zoom	1.6x			
	Coefficient	1.24~1.98	1.26~2.01	1.2~1.92	1.2~1.92
Keystone Adjustment	Horizontal	±30°			
	Vertical	±30°			
Shift	Horizontal	±5%			
	Vertical	95%-105%	105%-125%	105%-130%	100%-120%
Mounting		Ceiling / Desktop / Front / Rear			
Input	15-pin Mini-Dsub x1				
	HDBaseT*2 x1				
	HDMI 1.4 (Support HDCP*3) x2				
	Audio 3.5mm x1				
	Microphone x1				
	Wired Remote x1 3.5mm for wired remote				
	miniUSB x1 for firmware upgrade				
	USB-A x1 (5V, 1.5A)				
	RJ45 x1 for network control				
	RS232 (D-sub 9 pin) x1				
Output	15-pin Mini-Dsub x1				
	12V trigger 3.5mm x1				
	Audio 3.5mm x1				
	VESA x1 for 3D loop-out				
	Power Supply				
Power Consumption	100-240V AC±10%, 50/60Hz				
Stand-by Power Consumption	Standard Mode: 400W				
Material	< 0.5W				
Dimensions	Plastic				
Weight	405mm x 387mm x 129mm (WxDxH)				
Noise	10.7kg				
Operating	Altitude	Standard Mode: 37dB / Economic Mode: 29dB			
	Temperature	0 - 3048m (Switch to High Altitude mode at 1500m or higher)			
	Humidity	5 - 40°C, non-condensing			
Accessories	Typical	10% - 85%			
	Optional	AAA Battery x2, Remote Control x1, Power Cord x1, VGA Cord x1, CD-ROM (User Manual) x1			
		HDBaseT (for long distance transmission), USB Dongle (for wireless transmission)			

Remark:

1. Measurement, measuring conditions and method of notation all comply with ISO 21118 International standards. Measured values represent the average values with mass production. Tolerance ±20%.

2. HDBaseT trademark is owned by HDBaseT Alliance

3. HDCP: High-bandwidth Digital Content Protection.

4. Operating at high altitude area with the temperature 35°C or higher might cause the optical components fail sooner.

Sonnoc Inc  
11940 Goldring Road, Suite D, Arcadia, CA 91006

Tel: 626-357-8388 Fax: 626-357-1411

E-mail: sales@sonnoc.com

Website: www.sonnoc.com

Designated Dealer

Specifications and appearance are subject to change without notice for quality and performance enhancement purpose. The projection distances, throw ratios and images given in this brochure are for reference only. For more detailed information please consult the dealer from whom you purchasing the product.

201806

# Sonnoc



## Light Series Engineering Laser Projector

SNP-ELX550E/SNP-ELW500E/SNP-ELU520E/SNP-ELH500E  
5500 lm / 5000 lm / 5100 lm / 5000 lm



**Sonnoc Inc**

11940 Goldring Road, Suite D, Arcadia, CA 91006

Tel: 626-357-8388 Fax: 626-357-1411

E-mail: sales@sonnoc.com

Website: www.sonnoc.com

# New Generation Multi-Function Laser Projector

## Full Upgrade

SNP-ELU520E / SNP-550E / SNP-ELW500E / SNP-ELH500E have full upgrade from original series especially on laser modules which have extraordinary abilities on color restoration that exceeds Rec. 709 color space. The embedded motion compensation function makes a quicker response and smoother motions while playing videos.

## Small on Size, Big on Function

Weigh in 10.7kg / 23.5lb, SNP-ELU520E / SNP-550E / SNP-ELW500E / SNP-ELH500E come with not only placement flexibility but powerful functions including keystone correction, lens shift, HDBaseT, network control, 3D support. Body in white will also be suitable for indoor furnishing.



Classroom



Virtual Reality



Conference Room

## Four-Segment Color Wheel

After the blue laser light source is processed via the designated 4-segment color wheel (R100, G81, B60, Y119), the projector will generate excellent color restoration abilities and will be able to significantly reduce the rainbow effect with 3x speed.



## 20,000 Hours Lifespan on Laser Source

With the blue laser diode manufactured by Nichia, Sonnoc promises not only the quality of laser but a lifespan of 20,000 hours for the projector with 24/7 full loading operation.



## Picture-by-Picture and Picture-in-Picture

The PBP (Picture by Picture) function separates the screen in half displaying output from two different sources simultaneously on the left and right sides of the screen with adjustable sizes. The PIP (Picture in Picture) function separates the screen into two parts while one source is displayed on the main screen at the same time the another source is displayed in inset windows with adjustable position. Support both digital and analog signals.



Main Signal Secondary Signal Main Signal Secondary Signal

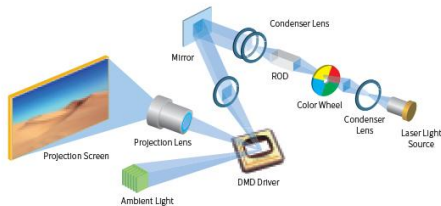
## Placement Flexibility

Come with incredible placement flexibility at any angle in various applications such as portrait mode,



## Non-Telecentric Projection Design

The design of non-telecentric projection creates better offset on lens shift on both ceiling and desktop projections.



## Replaceable Startup Screen

Startup screen is replaceable via analog signal capture per customer's need.



SNP-ELX550E



SNP-ELW500E



SNP-ELH500E



SNP-ELU520E

## HDBaseT Long Distance Transmission

High definition signals can be transmitted by using Cat5e or Cat6 cables with RJ-45 connectors for distance up to 100 meters.



Remark:HDBaseT trademark is owned by HDBaseT Alliance

## Wireless Projection

Video sources from cell phone, laptop, tablet can be sent to projector through the wireless adaptor. The embedded 5V, 1.5A USB port provides the adaptor power to stabilize the signals.



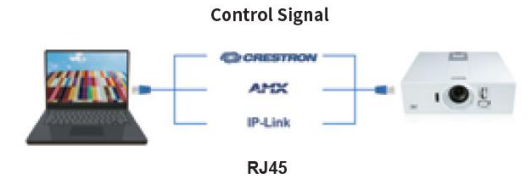
## 3D Functions

Support frame packing, frame sequential, top-bottom and side-by-side format. In addition, 3D VESA output, active to passive 3D and infrared 3D modes are supported.



## Compatible Network Control

Support Crestron, IP-Link, AMX network control protocols that allows users to have more convenience on applications.



RJ45

## SNP-ELX550E

Screen Size	Diagonal	Screen Width	D (min)	D (max)
30"	0.76	0.61	0.76	1.21
50"	1.27	1.02	1.26	2.01
80"	2.03	1.63	2.02	3.22
100"	2.54	2.03	2.52	4.02
120"	3.05	2.44	3.02	4.83
150"	3.81	3.05	3.78	6.04
180"	4.57	3.66	4.54	7.24
200"	5.08	4.06	5.04	8.05
220"	5.59	4.47	5.54	8.85
250"	6.35	5.08	6.30	10.06
300"	7.62	6.10	7.56	12.07

## SNP-ELW500E

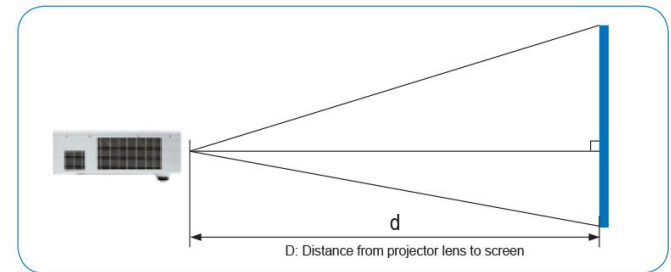
Screen Size	Diagonal	Screen Width	D (min)	D (max)
30"	0.76	0.65	0.81	1.30
50"	1.27	1.08	1.36	2.16
80"	2.03	1.72	2.17	3.46
100"	2.54	2.15	2.71	4.33
120"	3.05	2.58	3.26	5.20
150"	3.81	3.23	4.07	6.49
180"	4.57	3.88	4.89	7.79
200"	5.08	4.31	5.43	8.66
220"	5.59	4.74	5.97	9.52
250"	6.35	5.38	6.78	10.82
300"	7.62	6.46	8.14	12.99

## SNP-ELH500E

Screen Size	Diagonal	Screen Width	D (min)	D (max)
30"	0.76	0.66	0.80	1.27
50"	1.27	1.10	1.33	2.12
80"	2.03	1.77	2.12	3.39
100"	2.54	2.21	2.65	4.24
120"	3.05	2.65	3.18	5.09
150"	3.81	3.31	3.98	6.36
180"	4.57	3.98	4.77	7.64
200"	5.08	4.42	5.30	8.49
220"	5.59	4.86	5.83	9.33
250"	6.35	5.52	6.63	10.61
300"	7.62	6.63	7.96	12.73

## SNP-ELU520E

Screen Size	Diagonal	Screen Width	D (min)	D (max)
30"	0.76	0.65	0.78	1.24
50"	1.27	1.08	1.29	2.07
80"	2.03	1.72	2.07	3.31
100"	2.54	2.15	2.58	4.14
120"	3.05	2.58	3.10	4.96
150"	3.81	3.23	3.88	6.20
180"	4.57	3.88	4.65	7.44
200"	5.08	4.31	5.17	8.27
220"	5.59	4.74	5.69	9.10
250"	6.35	5.38	6.46	10.34
300"	7.62	6.46	7.75	12.41



D: Distance from projector lens to screen

\* Tolerance ±10%. \* The information in this document is subject to change without notice. \* Unit: meter