

# INSIGHT LASER 8K

25,000 Lumens | Contrast Ratio: 20,000:1 Dynamic / 2,000:1 Native | Part No:119-530

## INSIGHT LASER 8K

IMAGING BY:  ASTRO

THE VISIONARIES CHOICE



<b>Colour System:</b>	<b>DMD Specification:</b>
Laser Phosphor	Displays 8K-UHD 7680x4320, 4096 x 2160 native
<b>Display Type:</b>	<b>Aspect Ratio:</b>
3 x 1.38" DarkChip 3 DMD , +/- 12° tilt angle	1.9:1
	<b>Fill Factor</b>
	87%

### Key Features

- High Performance High resolution projector
- Displays up to 8K-UHD 7680x4320 @ 60Hz
- Ultra high frame rate capability up to 240Hz at 4K resolution
- Smear reduction
- Low latency 2 frames
- Laser power dimming
- Input via DisplayPort or SDI
- Compact integrated chassis
- Long life light source
- Sealed light module

### Video and Graphics Processing

- 4 x DisplayPort 1.2
- 4 x 12G-SDI
- 16 x 3G-SDI
- 10 bit processing

### Colour Processing

- Powerful seven point colour correction for accurate colour matching.
- Selectable de-gamma curves
- Individual R,G,B lifts and gains

### Projector Controller Software

- Intuitive user interface for network control.
- Simultaneous control of user-defined groups of projectors.
- At-a-glance monitoring of projector status.

### Projector Automation

- Via LAN

<b>Source Compatibility:</b>
Graphics standards up to 7680x4320 resolution at 60Hz via DisplayPort or SDI.

## Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2	DisplayPort	4	LAN	RJ45	1
12G-SDI in	BNC	4	RS-232	9-pin D-Sub	1
3G-SDI in	BNC	16	Wired Remote	3.5mm Stereo Jack	1

3D Formats Supported	HDTV Formats Supported
N/A	1080p (24Hz, 60Hz)

Computer Compatibility	Bandwidth
Up to 7680x4320	N/A

Remote Control	Automation Control
Addressable IR remote Control, Wireless and wired. On-Board keypad.	RS232 LAN

Colour Temperature
3200K to 9300K

Lamp Type	Typical Lamp Life
Laser Light Source	20,000 hours

Lenses			
Lens	Part No.	Focus Range	Lens Shift
<b>7680x4320</b>	-	-	-
1.21 - 1.83:1 zoom	115-627	2.5m - 100m	Vert: 0.40 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.14 (R) frame
1.76 - 2.77:1 zoom	115-630	3.5m - 100m	Vert: 0.45 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.17 (R) frame
2.70 - 5.31:1 zoom	115-632	4.5m - 100m	Vert: 0.42 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.17 (R) frame
<b>At Native 4K</b>	-	-	-
0.93:1 fixed	117-310	0.5m - 100m	Vert: 0.21 (U) 0.21 (D) frame, Hor: 0.08 (L) 0.08 (R) frame
1.13 - 1.72:1 zoom	115-627	2.5m - 100m	Vert: 0.34 (U) 0.19 (D) frame, Hor: 0.08 (L) 0.10 (R) frame
1.65 - 2.60:1 zoom	115-630	-	Vert: 0.40 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame
2.53 - 4.98:1 zoom	115-632	-	Vert: 0.37 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame
		3.5m - 100m	
		4.5m - 100m	

Lens Mount
Motorised shift, zoom and focus. Intelligent Lens Memory with user-definable preset positions.

Mechanical Mounting	Orientation
Front/Rear Table	<b>Table Top or Inverted:</b> Yes
Front/Rear Ceiling	<b>Pointing Up:</b> Yes
Adjustable Front/Rear feet	<b>Pointing Down:</b> Yes
Built-in stacking points	<b>Roll (Portrait):</b> Yes
Eye-bolts for handling a single projector	
Optional mounting/grab rail	

Power Requirements	Power Consumption
220-240VAC 50/60Hz single phase Power connector: 30A Hubbel	3800W @ 240VACW

Thermal Dissipation	Fan Noise
12965 BTU/Hour @ 240VAC BTU/Hour	55dBA

Operating/Storage Temperature	Operating Humidity
Operating: 0 to 35C (32 to 95F) Storage: -20 to 60C (-4 to 140F)	10 to 90% non-condensing

Weight (Chassis Only)	Dimensions
132 kg 291 lb	L: 100.3cm W: 72.2cm H: 47.9cm L: 39.5 inch W: 28.4 inch H: 18.9 inch

Safety & EMC Regulations

UL / cUL, CB, CE, FCC Class A, IEC EN 60825-1 Class  
3R Laser Product, IEC EN 62471-5 Risk Group 3, BSMI,

FDA, CCC



Laser Radiation  
Avoid direct eye exposure  
Class 3R Laser product

*\*Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this display for more accurate information.*

## Downloads

[PDF CAD Drawings](#)

[User Guides](#)

[AUTOCAD Drawings](#)

[Important Information](#)

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