

## INSIGHT LASER 8K

IMAGING BY:  ASTRO

THE VISIONARIES CHOICE



**25,000 Lumens | Contrast Ratio: 2,000:1 Native | Part Number: 119-530**

### Colour System:

Laser Phosphor

### DMD Specification:

Displays 8K-UHD 7680x4320, 4096 x 2160 native

### Display Type:

3 x 1.38" DarkChip 3 DMD , +/- 12° tilt angle

### Aspect Ratio:

1.9:1

### Fill Factor

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

### Source Compatibility:

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 Sync   | 3.5mm Stereo Jack<br>BNC (TBC) | 1<br>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.<br>On-Board keypad. |             |                        | RS232<br>LAN  |                                |        |
| Colour Temperature   |             |                        | Operation   |                                |        |
| 3200K to 9300K   |             |                        |  |                                |        |
| Illumination Type  |             |                        | Typical illumination Life   |                                |        |
| Laser Light Source   |             |                        | 20,000 hours  |                                |        |
| Lenses   |             |                        |   |                                |        |
| Lens   | Part No.    | Optimised Focus Range* | Lens Shift  |                                |        |
| 7680 X 4320  | -           | -                      | -   |                                |        |

|                     |         |             |   |
|---------------------|---------|-------------|---|
| 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> | -       | -           | -   |
| 1.13 - 1.72:1       | 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       | 115-630 | 3.5m - 100m | Vert: 0.40 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame |
| 2.53 - 4.98:1       | 115-632 | 4.5m - 100m | Vert: 0.37 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame |

\* Lens focal ranges above are the optimised distances but are likely to focus further, please contact your RSM for more details. Lens ratio tolerances: E-Vision Series: +/-3%. HighLite Series: +/- 5%. M-Vision Series: +/- 2%. Titan Series: +/-2%, INSIGHT Series: +/-2%,

## Lens Mount

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

### Mechanical Mounting

Front/Rear Table  
 Front/Rear Ceiling  
 Adjustable Front/Rear feet  
 Built-in stacking points  
 Eye-bolts for handling a single projector  
 Optional mounting/grab rail

### Orientation

**Table Top or Inverted:** Yes  
**Pointing Up:** Yes  
**Pointing Down:** Yes  
**Roll (Portrait):** Yes

### Power Requirements

220-240VAC 50/60Hz single phase Power connector: 30A Hubbel

### Power Consumption

3800W @ 240VAC

### Thermal Dissipation

12965 BTU/Hour @ 240VAC

### Fan Noise

55dBA

### Operating/Storage Temperature

Operating: 0 to 35C (32 to 95F)  
 Storage: -20 to 60C (-4 to 140F)

### Operating Humidity

10 to 90% non-condensing

### Weight (Chassis Only)

132 kg  
 291 lb

### Dimensions

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

### Accessories

#### Accessory

Replacement filter set

#### Part No.

120/784

*\*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](#)

[User Guides \(Japanese\)](#)

[STEP / IGS Drawings](#)

[Laser Risk Group Document](#)

[Lens CAD Drawings](#)

[Important Information](#)



Certificate Number 13629  
 ISO 9001



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