

## INSIGHT LASER 37000 8K

IMAGING BY:  ASTRO

THE VISIONARIES CHOICE



**37,000 ISO Lumens | Contrast Ratio: 2,000:1 Native | Part Number: 120-783**

### Colour System:

Laser Phosphor with ColorBoost + Red Laser

### 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 @ 120Hz
- Ultra high frame rate capability up to 240Hz at 4K resolution
- Low latency processing
- Laser power dimming
- Input via DisplayPort, SDI or HDMI
- Compact integrated chassis
- Long life light source
- Sealed light module

## 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.

### Source Compatibility:

Up to 7680x4320 resolution at 60Hz via DisplayPort, SDI or HDMI.  
Up to 7680x4320 resolution at 120Hz via 12G SDI

## Inputs/Outputs

| Video & Computer  |             |                        | Communication & Control   |                   |     |
|---|-------------|------------------------|---|-------------------|-----|
| Type  | Connector   | Qty                    | Type  | Connector         | Qty |
| 3G-SDI  | BNC         | 16                     | LAN   | RJ45              | 1   |
| 12G-SDI   | BNC         | 8                      | RS-232  | 9-pin D-Sub       | 1   |
| HDMI  | HDMI        | 4                      | Wired Remote  | 3.5mm Stereo Jack | 1   |
| DisplayPort   | DisplayPort | 2                      | Sync  | BNC (TBC)         | 1   |
| 3D Formats Supported  |             |                        | HDTV Formats Supported  |                   |     |
| Dual Pipe 7680 x 4320 @ 120Hz (TBC) via 12G SDI   |             |                        | 4096 x 2160p (24, 59.94, 60 Hz)   |                   |     |
|   |             |                        | 3840 x 2160p (24, 59.94, 60 Hz)   |                   |     |
|   |             |                        | 1080p (24, 59, 94, 60 Hz)   |                   |     |
| 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   |             |                        |   |                   |     |
| Laser Light Source  |             |                        | Typical illumination Life   |                   |     |
|   |             |                        | 20,000 hours  |                   |     |
| Lenses  |             |                        |   |                   |     |
| Lens  | Part No.    | Optimised Focus Range* | Lens Shift  |                   |     |
| <b>7680 X 4320</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>   | -           | -                      | -   |                   |     |
| 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   |             |                        | Orientation   |                   |     |

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

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

| Power Requirements  | Power Consumption |
|---|-------------------|
| 200-240VAC 50/60Hz single phase Power connector: 30A Hubbel | 3800W @ 240VAC    |

| Thermal Dissipation           | Fan Noise |
|-------------------------------|-----------|
| 12965 BTU/Hour @ 240VAC (TBC) | 52dBA     |

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

| Weight (Chassis Only) | Dimensions   |
|-----------------------|--|
| 132 kg<br>291 lb      | L: 113.0cm W: 75.0cm H: 49.3cm<br>L: 44.5 inch W: 29.5 inch H: 19.4 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              | Part No. |
| Replacement filter set | 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**



Certificate Number 13629  
 ISO 9001

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**DIGITAL PROJECTION, LTD** GREENSIDE WAY, MIDDLETON  
 MANCHESTER, UK. M24 1XX  
 T: +44.161.947.3300 | F: +44.161.684.7674 | www.digitalprojection.co.uk

**DIGITAL PROJECTION, INC** 55 CHASTAIN ROAD, SUITE 115 KENNESAW,  
 GA. 30144  
 T: 770.420.1350 } F: 770.420.1360 | www.digitalprojection.com

**DIGITAL PROJECTION, CHINA** Rm A2301,Shaoyaoju 101 North Lane,Shi  
 Ao International Center,Chaoyang District,Beijing 100029,PR China  
 T: +86.10.58239771 | F: +86 10 58239770