

## INSIGHT LASER 37000 8K (Preliminary)

37,000 ISO Lumens | Contrast Ratio: 2,000:1 Native | Part Number: 120-782

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IMAGING BY:  ASTRO

THE VISIONARIES CHOICE



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### 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. On-Board keypad.			RS232 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		
<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

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

200-240VAC 50/60Hz single phase Power connector: 32A Ceeform (Europe) or L6 30P (USA)

### Power Consumption

3800W @ 240VAC

### Thermal Dissipation

12965 BTU/Hour @ 240VAC (TBC)

### Fan Noise

52dBA

### 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: 113.0cm W: 75.0cm H: 49.3cm  
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

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



Certificate Number 13629  
ISO 9001

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