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# INSIGHT LASER 37000 8K

IMAGING BY: 

THE VISIONARIES CHOICE




## INSIGHT LASER 37000 8K (Preliminary)

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

### Key Specifications:

<b>Colour System:</b>	Laser Phosphor with ColorBoost + Red Laser					
<b>Display Type:</b>	3 x 1.38" DarkChip 3 DMD , +/- 12° tilt angle					
<b>DMD Specification:</b>	Displays 8K-UHD 7680x4320, 4096 x 2160 native					
<b>Aspect Ratio:</b>	1.9:1					
<b>Fill Factor</b>	87%					
<b>Key Features:</b>	<p><b>Colour Processing</b></p> <ul style="list-style-type: none"><li>• Powerful seven point colour correction for accurate colour matching.</li><li>• Selectable de-gamma curves</li><li>• Individual R,G,B lifts and gains</li></ul> <p><b>Projector Controller Software</b></p> <ul style="list-style-type: none"><li>• Intuitive user interface for network control.</li><li>• Simultaneous control of user-defined groups of projectors.</li><li>• At-a-glance monitoring of projector status.</li></ul>					
<b>Source Compatibility</b>	Up to 7680x4320 resolution at 60Hz via DisplayPort, SDI or HDMI. Up to 7680x4320 resolution at 120Hz via 12G SDI					
<b>Inputs/Outputs</b>	Video & Computer		Communication & Control			
	Type	Connector	Qty	Type	Connector	Qty

	<table border="1"> <tr> <td>3G-SDI</td> <td>BNC</td> <td>16</td> <td>LAN</td> <td>RJ45</td> <td>1</td> </tr> <tr> <td>12G-SDI</td> <td>BNC</td> <td>8</td> <td>RS-232</td> <td>9-pin D-Sub</td> <td>1</td> </tr> <tr> <td>HDMI</td> <td>HDMI</td> <td>4</td> <td>Wired Remote</td> <td>3.5mm Stereo Jack</td> <td>1</td> </tr> <tr> <td>DisplayPort</td> <td>DisplayPort</td> <td>2</td> <td>Sync</td> <td>BNC (TBC)</td> <td>1</td> </tr> </table>	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												
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<b>3D Formats Supported</b>	Dual Pipe 7680 x 4320 @ 120Hz (TBC) via 12G SDI																																				
<b>HDTV Formats Supported</b>	4096 x 2160p (24, 59.94, 60 Hz) 3840 x 2160p (24, 59.94, 60 Hz) 1080p (24, 59, 94, 60 Hz)																																				
<b>Computer Compatibility</b>	Up to 7680x4320																																				
<b>Bandwidth</b>	N/A																																				
<b>Remote Control</b>	Addressable IR remote Control, Wireless and wired. On-Board keypad.																																				
<b>Automation Control</b>	RS232 LAN																																				
<b>Colour Temperature</b>	3200K to 9300K																																				
<b>Operation</b>																																					
<b>illumination Type</b>	Laser Light Source																																				
<b>Typical illumination Life</b>	20,000 hours																																				
<b>Lenses</b>	<table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Optimised Focus Range*</th> <th>Lens Shift (Frame)</th> </tr> </thead> <tbody> <tr> <td><b>7680 X 4320</b></td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>1.21 - 1.83:1 zoom</td> <td>115-627</td> <td>2.5m - 100m</td> <td>Vert: 0.40 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.14 (R) frame</td> </tr> <tr> <td>1.76 - 2.77:1 zoom</td> <td>115-630</td> <td>3.5m - 100m</td> <td>Vert: 0.45 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.17 (R) frame</td> </tr> <tr> <td>2.70 - 5.31:1 zoom</td> <td>115-632</td> <td>4.5m - 100m</td> <td>Vert: 0.42 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.17 (R) frame</td> </tr> <tr> <td><b>At Native 4K</b></td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>1.13 - 1.72:1</td> <td>115-627</td> <td>2.5m - 100m</td> <td>Vert: 0.34 (U) 0.19 (D) frame, Hor: 0.08 (L) 0.10 (R) frame</td> </tr> <tr> <td>1.65 - 2.60:1</td> <td>115-630</td> <td>3.5m - 100m</td> <td>Vert: 0.40 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame</td> </tr> <tr> <td>2.53 - 4.98:1</td> <td>115-632</td> <td>4.5m - 100m</td> <td>Vert: 0.37 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame</td> </tr> </tbody> </table> <p>* 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%,</p>	Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	<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
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<b>Lens Mount</b>	Motorised shift, zoom and focus. Intelligent Lens Memory with user-definable preset positions.					
<b>Mechanical Mounting</b>	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					
<b>Orientation</b>	<b>Table Top or Inverted:</b> Yes <b>Pointing Up:</b> Yes <b>Pointing Down:</b> Yes <b>Roll (Portrait):</b> Yes					
<b>Power Requirements</b>	200-240VAC 50/60Hz single phase Power connector: 32A Ceeform (Europe) or L6 30P (USA)					
<b>Power Consumption</b>	3800W @ 240VAC					
<b>Thermal Dissipation</b>	12965 BTU/Hour @ 240VAC (TBC)					
<b>Fan Noise</b>	52dBA					
<b>Operating/Storage Temperature Operating:</b>	Operating: 0 to 35C (32 to 95F) Storage: -20 to 60C (-4 to 140F)					
<b>Operating Humidity</b>	10 to 90% non-condensing					
<b>Weight</b>	132 kg / 291 lbs					
<b>Dimensions</b>	L: 113.0cm W: 75.0cm H: 49.3cm L: 44.5 inch W: 29.5 inch H: 19.4 inch					
<b>Safety &amp; EMC Regulations</b>	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					
<b>Accessories</b>	<table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Replacement filter set</td> <td>120-784</td> </tr> </tbody> </table> <p><i>*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.</i></p>		Accessory	Part No.	Replacement filter set	120-784
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<b>Downloads</b>	<a href="#">PDF CAD Drawings</a> <a href="#">AUTOCAD Drawings</a> <a href="#">STEP / IGS Drawings</a>					
<b>User Guide</b>						



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