

## INSIGHT DUAL LASER 4K 120Hz (Preliminary)

27,000 Lumens | Contrast Ratio: 2,000:1 | Part No:118-554

### INSIGHT DUAL LASER 4K DIGITAL PROJECTOR

THE VISIONARIES CHOICE



<b>Colour System:</b>	<b>DMD Specification:</b>
3-chip DLP®	4096 x 2160 pixels native. Fast transit pixels for smooth greyscale and improved contrast.
<b>Display Type:</b>	<b>Aspect Ratio:</b>
3 x 1.38" DarkChip™ DMD™	1.90:1
	<b>Fill Factor</b> 87%

### Key Features

- High Brightness laser illuminated.
- Compact integrated chassis.
- Long life light source.
- Sealed optics.
- Maintenance free.
- 3D capable.
- DisplayPort 1.2 and HDMI 2.0 inputs.

### Video & Graphics processing

- Up to 60 fps 4096 x 2160 pixels sequential input via single DisplayPort input.
- Up to 120 fps (2 x 60 fps) 4096 x 2160 pixels Dual-Pipe input via DisplayPort.
- Dual Flash Processing for 3D sources.
- Dark Time insertion capability.
- Smear reduction for 2D displays.
- Synchronisation of active glasses (or polarising switcher, TBC).
- Image blanking (linear curtains) on all edges.
- Low latency processing.

### Color adjustments

- Up to 12 bits color processing (depending on source and input type).
- Degamma table maps input to 16 bit palette (R, G & B) for display.
- Degamma selection from a list of parametric curves.
- Individual R, G & B lift and gain.
- Black and White level adjustment via Brightness & Contrast control.

### ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of primary and secondary user defined color targets up to 7 points.

### Projector Control

- Keypad with on-screen display.
- Remote control - IR or cable.
- Network control via RJ45.
- Served web page for remote control via tablets and smart phones. Wireless requires access point (not supplied).
- PC control application.

### Mounting

- Built-in stacking points.
- Eyebolts for quick mounting.

- Optional mounting/grab rail.

### Lens features

- Robust lens mount with memorised position, zoom and focus.
- Extensive lens shift encompassing all lens capabilities.
- High quality sharp lenses designed for 4K performance with long focal distances.

### Source Compatibility:

Graphics standards up to 4096 x 2160 at 60 fps via DisplayPort. 60 fps via HDMI. Higher input frame rates supported at lower input resolution.

## Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2	DisplayPort	2	3D Sync Out	BNC	1
HDMI 2.0	HDMI	2	3D Sync In	BNC	1
			LAN	RJ45	1
			RS232	9-pin D Sub	1
			Wired Remote In	3.5mm Stereo Jack	1
			Service Port	USB Type A	1

### 3D Formats Supported

Dual Pipe  
Frame Sequential

### HDTV Formats Supported

4096 x 2160p (24, 25, 29.97, 30, 50, 59.94, 60 Hz)  
3840 x 2160p (24, 25, 29.97, 30, 50, 59.94, 60 Hz)  
1080p (24, 25, 29.97, 30, 50, 59.94, 60 Hz)

### Computer Compatibility

Up to 4096 x 2160

### Bandwidth

N/A

### Remote Control

Wired remote control  
On-Board keypad with OSD

### Automation Control

RS232  
LAN

### Colour Temperature

User selectable from 3300 to 10000K

### Lamp Type

Laser Light Source

### Typical Lamp Life

20,000 hours

## Lenses

Lens	Part No.	Focus Range	Lens Shift
<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	3.5m - 100m	Vert: 0.40 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame
2.53 - 4.98:1 zoom	115-632	4.5m - 100m	Vert: 0.37 (U) 0.20 (D) frame, Hor: 0.13 (L) 0.13 (R) frame
<b>At UHD</b>	-	-	-
0.99:1 fixed	117-310	0.5m - 100m	Vert: 0.27 (U) 0.20 (D) frame, Hor: 0.10 (L) 0.11 (R) frame
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

### 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

### Orientation

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

### Power Requirements

200 - 240VAC 50/60Hz single phase

### Power Consumption

3400W

### Thermal Dissipation

11600 BTU/Hour

### Fan Noise

54 dBA

### Operating/Storage Temperature

Operating: 0 to 40C (32 to 104F)  
Storage: -10 to 50C (14 to 122F)

### Operating Humidity

20 to 80% non-condensing

## Weight (Chassis Only)

100 kg  
220 lb

## Dimensions

H: 47.9 cm W: 72.2 cm L: 100.3 cm  
H: 18.9 in W: 28.4 in L: 39.5 in

## Safety & EMC Regulations

CE, FCC Class A, UL, 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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