

INSIGHT DUAL LASER 4K 120Hz

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

INSIGHT DUAL LASER 4K DIGITAL PROJECTOR

THE VISIONARIES CHOICE



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

Operation

24x7 Operation

Lamp Type

Laser Light Source

Typical Lamp Life

20,000 hours

Lenses

Lens	Part No.	Focus Range	Lens Shift
At Native 4K	-	-	-
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
At UHD	-	-	-
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 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

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 Humidity

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

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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