INSIGHT DUAL LASER 4K (Preliminary)

27,000 ANSI Lumens | Contrast Ratio: 2,000:1 | Part No:118-530

INSIGHT DUAL LASER 4K
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

Colour System:	DMD Specification:
3-chip DLP®	4096 x 2160 pixels native, +/- 12° tilt angle 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 DisplayPort.
- Up to 60 fps (2 x 30 fps) 4096 x 2160 pixels Dual-Pipe input via DisplayPort or HDMI.
- Dual Flash Processing for 3D sources.
- Dark Time insertion capability.
- Smear reduction for 2D displays.
- Synchronisation of active glasses (or polarising switcher, TBC).
- Edge Blending.
- Image blanking (linear curtains) on all edges.

Color adjustments

- Up to 12 bits color processing (depending on source and input type).
- Degamma table maps 12 bit 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

Type	Connector	Qty
DisplayPort 1.2	DisplayPort	2
HDMI 2.0	HDMI	2

Communication & Control

Type	Connector	Qty
3D Sync Out	BNC	1
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)
1080i (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

0.93:1 fixed 1170310	0.5m - 100m 2.5m - 100m 3.5m - 100m 4.5m - 100m	Vert: 0.210 (U) 0.210 (D) frame, Hor: 0.08 (L) 0.08 (R) frame
1.13 - 1.72:1 zoom 115-627		Vert: 0.340 (U) 0.190 (D) frame, Hor: 0.09 (L) 0.09 (R) frame
1.65 - 2.60:1 zoom 115-630		Vert: 0.400 (U) 0.200 (D) frame, Hor: 0.13 (L) 0.13 (R) frame
2.53 - 4.98:1 zoom 115-632		Vert: 0.375 (U) 0.200 (D) frame, Hor: 0.13 (L) 0.13 (R) frame

Lens Mount

Motorised shift, zoom and focus. Intelligent Lens Memory with user-definable preset positions.

Mechanical Mounting	Orientation	
Front/Rear Table	**Table Top or Inverted:** Yes	
Front/Rear Ceiling	**Pointing Up:** Yes	
Adjustable Front/Rear Feet	**Pointing Down:** Yes	
	Roll (Portrait): Yes	

Power Requirements	Power Consumption
200 - 240VAC 50/60Hz single phase	3200W

Thermal Dissipation	Fan Noise
10920 BTU/Hour	TBC

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)	Dimensions
100 kg 220 lb	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	

Accessories	
Accessory	**Part No.**
Mounting rail	118-471
Replacement filter set	118-534

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.

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