

INSIGHT 4K Quad Lamp (Preliminary)

25,000 Lumens | Contrast Ratio: 2000:1 | Part Number: 115-900

INSIGHT 4K QUAD DIGITAL PROJECTOR



THE VISIONARIES CHOICE

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Colour System:

3-chip DLP®

DMD Specification:

4096 x 2160 pixels native, +/- 12° tilt angle
Fast transit pixels for smooth greyscale and improved contrast.

Display Type:

3 x 1.38" DarkChip™ DMD™

Aspect Ratio:

1.90:1

Fill Factor

87%

Key Features

Video & Graphics Processing

- Up to 60fps 4096 x 2160 pixels sequential input via single cable (Display Port 1.2)
- 3D Capable
- Scaling of HDMI 1.4 formats to fill the 4K display
- Dark Time insertion capability
- HDMI 1.4b up to 3840 x 2160 at 30 fps.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- Synchronisation of active glasses or polarising switcher.

Color adjustments

- Up to 12 bits per color processing (depending on source and input type).
- Degamma table maps 12 bit input to 16 bit palette (R, G & B) for display.
- Individual R, G & B lift and gain.

- Black and White level adjustment via Brightness & Contrast control.
- Degamma selection from a list of parametric curves.

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.

3D Functionality

- Full 4K 3D display capability
- Frame multiplication capability (2x, 3x) with interleaving of Left/Right repeated frames.
- Synchronisation of active glasses or polarising switcher.
- Adjustable Dark Time and Synch Offset for optimisation of ghosting and smooth greyscale for switching glasses and polarizers.

Projector Control

- Keypad.
- Wired remote control.
- Network control via RJ45 and protocol.
- Group Controller Application

Source Compatibility:

Graphics standards up to 4096 x 2160 at 60 fps via DisplayPort. 30 fps via HDMI.

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2	DisplayPort	2	3D Sync Out	BNC	1
HDMI 1.4	HDMI	2	3D Sync In	BNC	1
			LAN	RJ45	1
			RS232	9-pin D Sub	1
			Wired Remote In	3.5mm Stereo Jack	1
			Infra-Red	Front and Rear IR Receivers	2
3D Formats Supported			HDTV Formats Supported		
Dual Pipe (Q3 2016)			4096 x 2160p (24, 25, 30, 50, 59.94, 60 Hz)		
Frame Sequential			3840 x 2160p (24, 25, 30, 50, 59.94, 60 Hz)		
			1080p (24, 25, 30, 50, 59.94, 60 Hz)		
Computer Compatibility			Bandwidth		
Up to 4096 x 2160			N/A		
Remote Control			Automation Control		
Wired remote control			RS232		
On-Board keypad			LAN		
Colour Temperature			Operation		
Adjustable					



Illumination Type	Typical illumination Life
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4 x 465W High Intensity Discharge	Full Power: 1500 hours (up to 6000 hours in lamp sequential mode) Eco Mode : 2000 hours (up to 8000 hours in lamp sequential mode)
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Lenses

Lens	Part No.	Optimised 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)
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
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)
1.21 - 1.83:1	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	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	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	Orientation
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Front/Rear Table	Table Top or Inverted: Yes
Front/Rear Ceiling	Pointing Up: Yes
Adjustable Front/Rear Feet	Pointing Down: No
Optional RapidRig™ frame with integrated pitch, roll and yaw adjustments.	Roll (Portrait): No

Power Requirements	Power Consumption
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200-240VAC 50/60Hz single phase	2100W
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Thermal Dissipation	Fan Noise
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7165 BTU/Hour	58 dBA
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Operating/Storage Temperature	Operating Humidity
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Operating: 0 to 40C (32 to 104F) Storage: -10 to 50C (14 to 122F)	20 to 80% non-condensing
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Weight (Chassis Only)	Dimensions
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66.3 kg 146.1 lb	H: 32.5 cm W: 70.0 cm L: 82.0 cm H: 12.8 in W: 27.56 in L: 32.3 in
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Safety & EMC Regulations

CE, FCC Class A

Accessories

Accessory	Part No.
RapidRig™ Frame	116-064
Replacement Filter Set	117-751
Lens Adapter Kit for 0.72:1 4K Schneider Lens	117-343

*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](#)

[User Guides \(German\)](#)

[STEP / IGS Drawings](#)

[User Guides \(French\)](#)

[Rigging Frame CAD Drawings](#) [Rigging Frame CAD Drawings](#)

[Important Information](#)

[Lens CAD Drawings](#)

[Control Protocol](#)

[0.72:1 Schneider Lens Assembly Guide](#)



Certificate Number 13629
ISO 9001

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