

## INSIGHT 4K Quad Lamp (Preliminary)

25,000 Lumens | Contrast Ratio: 2000:1 | Part No:115-900

### INSIGHT 4K QUAD DIGITAL PROJECTOR



THE VISIONARIES CHOICE

<b>Colour System:</b> 3-chip DLP®	<b>DMD Specification:</b> 4096 x 2160 pixels native, +/- 12° tilt angle Fast transit pixels for smooth greyscale and improved contrast.
<b>Display Type:</b> 3 x 1.38" DarkChip™ DMD™	<b>Aspect Ratio:</b> 1.90:1 <b>Fill Factor</b> 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

Dual Pipe (Q3 2016)  
Frame Sequential

### HDTV Formats Supported

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

### Computer Compatibility

Up to 4096 x 2160

### Bandwidth

N/A

### Remote Control

Wired remote control  
On-Board keypad

### Automation Control

RS232  
LAN

### Colour Temperature

Adjustable

### Lamp Type

4 x 465W High Intensity Discharge

### Typical Lamp Life

Full Power: 1500 hours (up to 6000 hours in lamp sequential mode) Eco Mode : 2000 hours (up to 8000 hours in lamp sequential mode)

### Lenses

Lens	Part No.	Optimised 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  
Optional RapidRig™ frame with integrated pitch, roll and yaw adjustments.

### Orientation

**Table Top or Inverted:** Yes  
**Pointing Up:** Yes  
**Pointing Down:** No  
**Roll (Portrait):** No

### Power Requirements

200-240VAC 50/60Hz single phase

### Power Consumption

2100WW

### Thermal Dissipation

7165 BTU/Hour BTU/Hour

### Fan Noise

58 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)**

66.3 kg  
146.1 lb

**Dimensions**

H: 32.5 cm W: 70.0 cm L: 82.0 cm  
H: 12.8 in W: 27.56 in L: 32.3 in

**Safety & EMC Regulations**

CE, FCC Class A

**Accessories**

<b>Accessory</b>	<b>Part No.</b>
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](#)

[User Guides French](#)

[Important Information](#)



Certificate Number 13629  
ISO 9001

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