![DIGITAL PROJECTION]

INSIGHT 4K Dual LED

3,000* Lumens | Contrast Ratio: 2,500:1 | Part No:116-695

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

*Takes into account Helmholtz-Kohlrausch effect. LED illuminated projectors produce extraordinarily high colour purity and saturation, thus appearing brighter than a lamp-based display with similar measured lumen specifications.

Video & Graphics Processing
- Up to 60fps 4096 x 2160 pixels sequential input via single cable (DisplayPort 1.2).
- 3D capable (see 3D Functionality below).
- Scaling of 2K formats to fill the 4K display.
- Dark Time insertion capability.
- HDMI 1.4b up to 3840 x 2160 at 30 fps.

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 user defined color targets.

3D Functionality
- Full 4K, sequential input, 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.
- Dual and Triple Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- Synchronisation of active glasses or polarising switcher.

Projector Control
- Keypad.
- Infra-red and wired remote control.
- Network control via RJ45 and protocol.
- Serial control via RS232 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

Type	Connector	Qty
DisplayPort 1.2	DisplayPort	2
HDMI 1.4	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
Infra-Red	Front and Rear IR Receivers	2

3D Formats Supported

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

On-board keypad
Wired remote control
Infra-red remote control

Automation Control

RS232
LAN

Colour Temperature

User selectable from 3300 to 10000K

Lamp Type

LED

Typical Lamp Life

60,000 hours (80% lumen maintenance to 50,000 hours)

Lenses

Lens	Part No.	Focus Range	Lens Shift
0.93:1 fixed	117-310	0.5m - 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	2.5m - 100m	Vert: 0.340 (U) 0.190 (D) frame, Hor: 0.09 (L) 0.09 (R) frame
1.65 - 2.60:1 zoom	115-630	3.5m - 100m	Vert: 0.400 (U) 0.200 (D) frame, Hor: 0.13 (L) 0.13 (R) frame
2.53 - 4.98:1 zoom	115-632	4.5m - 100m	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

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: Yes
Roll (Portrait): Yes

Power Requirements

100 - 240VAC 50/60Hz single phase

Power Consumption

900W

Thermal Dissipation

3070 BTU/Hour

Fan Noise

40 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)

67 kg
148 lb

Dimensions

H: 32.5 cm W: 70.0 cm L: 93.5 cm
H: 12.8 in W: 27.56 in L: 36.8 inH: 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

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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