

INSIGHT 4K HFR 360 (Preliminary)

27,000 Lumens | Contrast Ratio: 2,000:1 | Part Number: 119-667

INSIGHT MULTIVIEW 4K 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

- Up to 360 FPS Display capability at native 4096 x 2160 resolution.
- Accepts up to 6 inputs in parallel and displays them sequentially with smooth greyscale and amazing colour.
- 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 6 x 60 fps 4096 x 2160 pixels sequential input via single DisplayPort input.
- Dark Time insertion matched to fast switching glasses.

- 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	6	3D Sync Out	BNC	1
HDMI 2.0	HDMI	6	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			HDTV Formats Supported		
Dual Pipe Frame Sequential			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			Bandwidth		
Up to 4096 x 2160			N/A		
Remote Control			Automation Control		
Wired remote control On-Board keypad with OSD			RS232 LAN		
Colour Temperature			Operation		
User selectable from 3300 to 10000K					
Illumination Type			Typical Illumination Life		
Laser Light Source			20,000 hours		
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		
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet			Table Top or Inverted: Yes Pointing Up: Yes Pointing Down: Yes Roll (Portrait): Yes		
Power Requirements			Power Consumption		
200 - 240VAC 50/60Hz single phase			3400		
Thermal Dissipation			Fan Noise		
11600			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

Accessories

Accessory	Part No.
Mounting rail	118-471
Replacement filter set	118-534
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](#)

[AUTOCAD Drawings](#)

[STEP / IGS Drawings](#)

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

[Lens CAD Drawings](#)



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