

HIGHlite Laser II 3D

13,000 Lumens | Contrast Ratio: 2,000:1 (10,000:1 Dynamic) | Part No:120-610

HIGHLITE LASER II 3D DIGITAL PROJECTOR



THE VISIONARIES CHOICE

Colour System:	DMD Specification:
3-chip DLP®	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Display Type:	Aspect Ratio:
3 x 0.67" DarkChip™ DMD™	16x10
	Fill Factor
	87%

Key Features

Video & Graphics Processing

- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom for 3D formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources.
- Dual Pipe Processing: Two sources in parallel for Left and Right Eyes.
- Synchronisation of active glasses.
- High bandwidth digital inputs.
- 3GSDI with loop-through.
- The projector automatically detects interlaced video and implements 3:2 or 2:2 extraction as appropriate, with pixel based, motion adaptive interpolation and auto cadence correction.
- 24p and 1080p native display.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Blanking control for custom input window sizing.

Edge Blending

- Correction for non-active pixels at the edge of the display.
- Electronic black level compensation.

HDBaseT® Interface

- Built in support for transmission of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows projector to be placed up to 80m from source with low cost cabling.

ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of primary and secondary color targets.

Projector Control

- Infra-red and wired remote.
- LAN control via protocol.
- Network control via hosted web page.
- Built-in ON/OFF timer for automatic start and switch off.

Projector Controller Software

- Intuitive user interface for network control.
- Simultaneous control of user-defined groups of projectors.
- At-a-glance monitoring of projector status.

Source Compatibility:

HDMI including Deep Color™ processing and 3D standards.
 DisplayPort accepts graphics standards up to 1920 x 1200 at 120Hz.
 3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
 Graphics standards up to 1920 x 1200 resolution via DisplayPort, HDMI or VGA.
 Component Video (SD and HD) via YPrPb or RGB.

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
HDMI 1.4	HDMI	2	3D Sync Out	BNC	1
DisplayPort 1.1a	DisplayPort	1	3D Sync In	BNC	1
HDBaseT/LAN	RJ45	1	LAN (see HDBaseT)	RJ45	1
3G-SDI In	BNC	1	RS232	9-pin D Sub	1
3G-SDI Out	BNC	1	Wired Remote	3.5mm Stereo	1
VGA	15-pin D-Sub	1	12V Trigger	Jack	2
Component Video	3 x BNC	1	Service Port	3.5mm Stereo	1
				Jack	
				USB Type A	

NOTE: The LAN port is shared with HDBase-T.

3D Formats Supported	HDTV Formats Supported
Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom	1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility	Bandwidth
Up to 1920 x 1200	170 MHz on analog RGB 165 Megapixels per second on HDMI 295 Megapixels per second on DisplayPort

Remote Control	Automation Control
Addressable IR remote control, wireless and wired On-Board keypad	LAN RS232

Colour Temperature	Operation
User selectable from 3200 to 9300K	24x7 Operation

Lamp Type	Typical Lamp Life
Laser Light Source	20,000 hours

Lenses			
Lens	Part No.	Focus Range	Lens Shift
0.77 : 1 fixed HB	110-808	1.3m - 15.0m	Vert: 0.2 (U) 0.2 (D) frame, Hor: 0.05 (L) 0.05 (R) frame
1.16 : 1 fixed HB	110-809	1.4m - 25.0m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
1.45 - 1.74 : 1 zoom HB	110-803	1.8m - 9.3m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
1.74 - 2.17 : 1 zoom HB	112-878	2.2m - 11.8m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
2.17 - 2.90 : 1 zoom HB	113-852	2.7m - 15.4m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
2.90 - 4.34 : 1 zoom HB	110-806	3.6m - 22.5m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
4.34 - 6.76 : 1 zoom HB	110-807	5.5m - 35m	Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (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.

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
110 - 240VAC 50/60Hz single phase At 110V the light output is up to 70% of full power.	1700W

Thermal Dissipation	Fan Noise
5800 BTU/Hour	52 dBA
Operating/Storage Temperature	Operating Humidity
Operating: 0 to 35C (32 to 95F) Storage: -20 to 60C (-4 to 140F)	20% to 90% non-condensing
Weight (Chassis Only)	Dimensions
55 kg 121.3 lb	H: 26.5 cm W: 58.5 cm L: 71.0 cm (92.7 cm w/lens hood) H: 10.4 in W: 23.0 in L: 28.0 in (36.5 in w/lens hood)
Safety & EMC Regulations	
CE, FCC Class A , UL, CCC, KC, BIS	
<i>*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.</i>	
Downloads	
PDF CAD Drawings	User Guides
AUTOCAD Drawings	Important Information
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