

HIGHlite Laser II 3D

13,000 Lumens | Contrast Ratio: 2,000:1 (10,000:1 Dynamic) | Part Number: 116-330

HIGHLITE LASER II 3D DIGITAL PROJECTOR



THE VISIONARIES CHOICE

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Colour System:

3-chip DLP®

DMD Specification:

1920 x 1200 pixels native display.
Fast transit pixels for smooth greyscale and improved contrast.

Display Type:

3 x 0.67" DarkChip™ DMD™

Aspect Ratio:

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 Jack	1
VGA	15-pin D-Sub	1	12V Trigger	3.5mm Stereo Jack	2
Component Video	3 x BNC	1	Service Port	USB Type A	1

NOTE: The LAN port

is shared with
HDBase-T.

3D Formats Supported

Frame Packing
Dual Pipe
Frame Sequential
Side By Side (half)
Top and Bottom

HDTV Formats Supported

1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility

Up to 1920 x 1200

Bandwidth

170 MHz on analog RGB
165 Megapixels per second on HDMI
295 Megapixels per second on DisplayPort

Remote Control

Addressable IR remote control, wireless and wired
On-Board keypad

Automation Control

LAN
RS232

Colour Temperature

User selectable from 3200 to 9300K

Operation



Illumination Type

Laser Light Source

Typical illumination Life

20,000 hours

Lenses

Lens	Part No.	Optimised 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: 0.2 (U) 0.2 (D) frame, Hor: 0.05 (L) 0.05 (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

Front/Rear Table
Front/Rear Ceiling
Adjustable Front/Rear Feet

Orientation

Table Top or Inverted: Yes
Pointing Up: Yes
Pointing Down: Yes
Roll (Portrait): Yes

Power Requirements

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

Power Consumption

1700

Thermal Dissipation

5800

Fan Noise

52 dBA

Operating/Storage Temperature

Operating: 0 to 35C (32 to 95F)
Storage: -20 to 60C (-4 to 140F)

Operating Humidity

20% to 90% non-condensing

Weight (Chassis Only)

55 kg
121.3 lb

Dimensions

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

Accessories

Accessory

RapidRig™ Frame

Part No.

TBD

Infrared Remote (replacement)
Replacement Filter Set

117-780
115-761

**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 \(Korean\)](#)

[STEP / IGS Drawings](#)

[Laser Risk Group Document](#)

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

[Important Information](#)

[Lens CAD Drawings](#)

[Control Protocol](#)

[Control Protocol](#)



Certificate Number 13629
ISO 9001

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